

20011206.qrp v02\_n396.qrl.20011206

Date: Thu, 6 Dec 2001 19:03:06 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2396

QRP-L Digest 2396

Topics covered in this issue include:

- 1) [113998] Tonights test  
by "T.W." <wb5qyt@abq.com>
- 2) [113999] New Ten Tec rig  
by K4IA@aol.com
- 3) [114000] OT-Re: NoGa Compendium in time for Xmas  
by Pete Burbank <plburbank@kih.net>
- 4) [114001] Re: OT-Re: NoGa Compendium in time for Xmas  
by "Rob Matherly" <kc0bom@arrl.net>
- 5) [114002] Re: Write Something! Re: Construction Articles ...  
by Bruce Muscolino <w6toy@erols.com>
- 6) [114003] Re: Cheap Vertical  
by "John J. McDonough" <wb8rcr@arrl.net>
- 7) [114004] WANTED  
by Earl Murphy <earlmurf@telusplanet.net>
- 8) [114005] Re: Not QRP: Help with TS 820 Display  
by Bruce Muscolino <w6toy@erols.com>
- 9) [114006] Re: Cheap Vertical  
by "Tom Pennebaker" <n4rs@netpath-rc.net>
- 10) [114007] FOX: WR50 Truffle for 5 Dec  
by "dwinfield" <dendav@dzdn.com>
- 11) [114008] Re: Write Something! Re: Construction Articles ...  
by "Lee Mairs" <lmairs@cox.rr.com>
- 12) [114009] Dealing with OT--HTML archives and Daily Digest  
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 13) [114010] Re: QQ  
by Donn Kuse <casey.jay@gte.net>
- 14) [114011] Construction articles only appear if folks write them  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 15) [114012] Galvanized conduit vert. has some RF losses  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 16) [114013] Re: OT (somewhat): Strange QRM summary  
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 17) [114014] Re: Loop Success  
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 18) [114015] Cub Fox preliminary log 12/04  
by "Tony Parks" <robert.parks11@gte.net>
- 19) [114016] need info on old power supply - Preston 106

- by John Rollins <kd7bcy@teleport.com>
- 20) [114017] 160 meter test  
by Fred Lesnick <flesnick@tbaytel.net>
- 21) [114018] NC20 ----> NC40  
by "Nick Yokanovich" <k3ny@cablespeed.com>
- 22) [114019] Perfect Case for Tiny-Toronado Rev.2 ?  
by George Gingell <k3tks@u1.abs.net>
- 23) [114020] NEQRP CW Net, 6 December 01, 8:30 PM EST, 3.565MHz  
by Chuck Ludinsky <cjl@mitre.org>
- 24) [114021] Re: OT-Re: NoGa Compendium in time for Xmas  
by "Mike Boatright" <ko4wx@mindspring.com>
- 25) [114022] Re: OT-Re: NoGa Compendium in time for Xmas  
by "Brian" <brian@iquest.net>
- 26) [114023] psk31 dos  
by "Neil" <wa4chq@qsl.net>
- 27) [114024] Construction articles...  
by MARSHALL MONTCHALIN <teknatron@yahoo.com>
- 28) [114025] Re: Marker Generator  
by "James R. Duffey" <jamesd1@flash.net>
- 29) [114026] Re: Write Something! Re: Construction Articles ...  
by baltimoremd@baltimoremd.com
- 30) [114027] Steve NOTU - Don't have your e-mail address  
by "Trevor Jacobs" <fxtech@earthlink.net>
- 31) [114028] Fw: [Amateur-repairs] Fw: Help with TS 820 Display  
by "Rob Matherly" <kc0bom@arrl.net>
- 32) [114029] Packaging a SW-40  
by "Kevin Philbin" <oz2dkp@hotmail.com>
- 33) [114030] Re: NP0 Identification  
by "John Moriarity" <k6qq@hdo.net>
- 34) [114031] Re: NC20 ----> NC40  
by "Dave Fifield" <dave@redhotradio.com>
- 35) [114032] ARCI 160M Sprint  
by "Chuck Carpenter" <w5usj@globeco.net>
- 36) [114033] Re: KITS: Noise Bridge announcement (Question)  
by "Dave Benson" <nn1g@earthlink.net>
- 37) [114034] QRPP has Construction Articles and Projects and More. (Long)  
by "Doug Hendricks" <ki6ds@dospalos.org>
- 38) [114035] Re: NC20 ----> NC40  
by "Dave Fifield" <dave@redhotradio.com>
- 39) [114036] 160 Sprint  
by Al Scanandoah <k2zn@rochester.rr.com>
- 40) [114037] Re: KITS: Noise Bridge announcement  
by "Karl F. Larsen" <k5di@zianet.com>
- 41) [114038] Re: Marker Generator  
by "Karl F. Larsen" <k5di@zianet.com>
- 42) [114039] Re: Packaging a SW-40  
by "Tim A. King Jr." <iflyos@hotmail.com>
- 43) [114040] Re: Loop Success

- by Pete Burbank <plburbank@kih.net>
- 44) [114041] RE: KITS: Noise Bridge announcement  
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 45) [114042] Re: Linear Loaded Antennas  
by Bill Coleman <aa4lr@arrl.net>
- 46) [114043] [Elmer 101] C102/C112 Function in PS  
by "Steve Thompson" <steve@xcvr.com>
- 47) [114044] Re: Loop Success  
by Alex <kr1st@amsat.org>
- 48) [114045] Re: [Elmer 101] C102/C112 Function in PS  
by Mike Maiorana <mikemo@attglobal.net>
- 49) [114046] Great Parts Source (and probes)!  
by "Mike Melland" <w9wis@charter.net>
- 50) [114047] FS: MAHA 1700mAh battery  
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 51) [114048] 160M Sprint  
by W2AGN <w2agn@pobox.com>
- 52) [114049] DCTL woes  
by thomasr2@gdls.com
- 53) [114050] Re: Packaging a SW-40  
by "Bill Jones" <kd7s@psnw.com>
- 54) [114051] Re: Loop Success  
by Pete Burbank <plburbank@kih.net>
- 55) [114052] Re: DCTL woes  
by Macstein@aol.com
- 56) [114053] 160M Contest  
by David Gauding <david.gauding@bbs.galilei.com>
- 57) [114054] Re: QRPp has Construction Articles and Projects and More.  
(Long)  
by David Gauding <david.gauding@bbs.galilei.com>
- 58) [114055] Re: RS Simplex Repeater  
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 59) [114056] Re: one-touch-tune  
by Tim ORourke <TORourke@KaiserFT.com>
- 60) [114057] Re: RS Simplex Repeater  
by "Mike Yetsko" <myetsko@insydesw.com>
- 61) [114058] Re Ted Hart's Book.  
by Jack Bennett <J.Bennett@lboro.ac.uk>
- 62) [114059] Re: Poly Variables ??  
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
- 63) [114060] Re: Loop Success  
by "John Dorson" <jdorson@Worldshare.net>
- 64) [114061] Re: QRPp has Construction Articles and Projects and More. (Long)  
by Bruce Muscolino <w6toy@erols.com>
- 65) [114062] Re: DCTL woes  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 66) [114063] Re: 160M QRP Times/Frequency?  
by Bill Coleman <aa4lr@arrl.net>

- 67) [114064] Re: Not QRP: Help with TS 820 Display  
by "Rob Matherly" <kc0bom@arrl.net>
- 68) [114065] Karl Kanalz  
by "Ted Williams" <ted@g0u11.fsnet.co.uk>
- 69) [114066] For sale MFJ 9040 & 9030  
by Kelly Copley <n3hsy@repeater.net>
- 70) [114067] New Toy! Patcomm PC-9000  
by Steven Weber <kd1jv@moose.ncia.net>
- 71) [114068] Re: New Toy! Patcomm PC-9000  
by W2AGN <w2agn@pobox.com>
- 72) [114069] SW-20  
by n7dma@mindspring.com
- 73) [114070] Re: SW-20  
by "Dave Benson" <nn1g@earthlink.net>
- 74) [114071] Re: DCTL woes  
by "Karl F. Larsen" <k5di@zianet.com>
- 75) [114072] Re: DCTL woes  
by Bruce Muscolino <w6toy@erols.com>
- 76) [114073] power supply  
by Lee Wilson <leesgoofy@usa.net>
- 77) [114074] Re: power supply  
by "w8diz" <w8diz@fpqrp.com>
- 78) [114075] [Elmer 101] Power supply (part 2)  
by "blinn" <blinn@smgazette.com>
- 79) [114076] Re: one-touch-tune  
by "John O. Newell" <jnewell@mediaone.net>
- 80) [114077] Re: QRP Quarterly Journal  
by "John O. Newell" <jnewell@mediaone.net>
- 81) [114078] help  
by "yongkch Ku Cho" <yongkch@msn.com>
- 82) [114079] Re: NC20 ----> NC40  
by "Nick Yokanovich" <k3ny@cablespeed.com>
- 83) [114080] Re: Cheap Verticle  
by Melvin Best <n5qw@parksbros.com>
- 84) [114081] Results of the DECEMBER SPARTAN SPRINT  
by Russ Carpenter <russ@natworld.com>
- 85) [114082] Re: DCTL woes  
by Joe Reed <joe@n9jr.dyndns.org>
- 86) [114083] AT&T Broadband back online  
by "Thom Durfee WI8W" <wi8w@arrl.net>
- 87) [114084] Pickett, AD4S email  
by "John P. Cummins, Sr." <jpcummins@charter.net>
- 88) [114085] Re: Not QRP: Help with TS 820 Display  
by "Rob Matherly" <kc0bom@arrl.net>
- 89) [114086] Re: power supply  
by Steven Weber <kd1jv@moose.ncia.net>

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Date: Wed, 5 Dec 2001 16:44:58 -0700  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-l@lehigh.edu>  
Subject: [113998] Tonights test  
Message-ID: <MABBIKAEJNPMOAJMBKJJKEJLCHAA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Gang,

Well, Im ready to go for tonights test on 160! Have a IC 706 @ 5w to either a 160 m full size dipole at 33' or a 1/2 wave kite assisted vertical if the wind gods are in a good mood HI HI.

Heading to the local mesa to set up....no noise or tree's!!

Boy, this will be a change...last time on 160 was running 1500 w to a 8' vert....tonight 5 w to a full size dipole/vert? Times are a changin' hi hi!!

72, good luck and hope to work a bunch of you....Tom WB5QYT..."Have spud will travel!"

PS: Doing a happy dance today! My neighbor let me put a wire in his tree. Of course I used the PAL(pnuematic antenna launcher)Most of the neighbors work so they didnt even see me shoot that tree! Now running a 170'OCF Zepp....will beat the pants off of my 5btv vert HI HI!

-----  
Date: Wed, 5 Dec 2001 19:02:48 EST  
From: K4IA@aol.com  
To: qrp-l@lehigh.edu  
Subject: [113999] New Ten Tec rig  
Message-ID: <159.53a84ff.29400fa8@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Ten Tec just announced new info on their QRP rig on their website.

It is now up to 20 watts, \$695 and Spring of 2002

Radio K4IA  
Craig Buck  
Fredericksburg, Virginia 22401 USA

FISTS CW CLUB # 6702 CC 788 Diamond #64  
QRP/ARCI # 2550  
K1 #470

-----  
Date: Wed, 05 Dec 2001 19:06:59 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114000] OT-Re: NoGa Compendium in time for Xmas  
Message-ID: <5.0.2.1.0.20011205185130.00ac39f0@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 03:10 PM 12/5/2001 -0500, John P. Cummins, Sr. wrote:  
>Something new from NoGa, The North Georgia QRP Club.  
>  
>The "NoGa Compendium Volume 1".  
>  
>This is a 117 page publication of all of the many NoGa projects complete  
>with parts lists, assembly instructions, schematics, tips and errata.  
>  
>The 13 projects (in the case 13 is a lucky number) include:  
SNIP

I heard an interesting Discussion about the number 13 on Public Radio a couple years ago. The interview was with Mike Nichols (SP?) .He said that 13 is the number of members in a witches coven and was therefor declared an unlucky number in subsequent religious squabbles.  
Man, this is really off topic!!!!  
73 Pete NV4V

-----  
Date: Wed, 5 Dec 2001 18:15:06 -0600  
From: "Rob Matherly" <kc0bom@arrl.net>  
To: <plburbank@kih.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114001] Re: OT-Re: NoGa Compendium in time for Xmas  
Message-ID: <01dc01c17deb\$1104d340\$3711a541@intern01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

On that note, the reason Friday the 13th is considered unlucky is because

witches (supposedly) had their "meetings" on Fridays. Combine that with what you said about the number of witches in a coven, and there you go! You have an unlucky day, and one great movie series :^D

72/73/oo

Rob, kc0bom

FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp #19

-----

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

----- Original Message -----

From: Pete Burbank <plburbank@kih.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, December 05, 2001 6:06 PM

Subject: OT-Re: NoGa Compendium in time for Xmas

At 03:10 PM 12/5/2001 -0500, John P. Cummins, Sr. wrote:

>Something new from NoGa, The North Georgia QRP Club.

>

>The "NoGa Compendium Volume 1".

>

>This is a 117 page publication of all of the many NoGa projects complete  
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Man, this is really off topic!!!!  
73 Pete NV4V

-----

Date: Wed, 05 Dec 2001 19:14:06 -0500

From: Bruce Muscolino <w6toy@erols.com>

To: baltimoremd@baltimoremd.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [114002] Re: Write Something! Re: Construction Articles ...

Message-ID: <3C0EB84E.BAF40201@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Speaking of cheap shots! Your humor does not make you comment.

I was fairly compensated for my article, at eh going rate for 1995, \$65 per page or part of a page. My article ran three or four pages as I remember.

I have always held the same attitude toward the League, and have uniformly supported it. I do not support their fund raising activities or their methods.

I have been published in their journal, I have always recommended others to submit their articles there first, before settling for a free magazine. I have been a Life Member since 1975. Where do you get off saying I don't support the League? Just what have you done for them lately!

73

-----  
Date: Wed, 5 Dec 2001 19:18:31 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [114003] Re: Cheap Vertical  
Message-ID: <003201c17deb\$8b16d340\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Like Ray, I used conduit. It's available at the local builder's store, I got mine a Lowe's but I'm sure exactly the same thing is available the Home Depot or whatever your local store is.

I would expect that the price would be a lot less than aluminum pipe.

No, the diameter doesn't matter much. The diameter does have some effect on the bandwidth, but at 40 meters, you probably can't see it.

I used a PVC pipe cap for a bottom insulator. First thing that came to me when I was roaming around Lowe's trying to come up with an antenna. I set it in some concrete so the bottom of the antenna has no tendency to move around. The main problem is that it's too close to the ground, and tends to



fill up with dirt and leaves and the like. Every few months I need to go clean it out.

The thin wall conduit is easily handled by a single person if you are in the clear. I needed to thread mine through some trees so it was a 2 person job, still not bad.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "TheRubins" <hrubin1970@home.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, December 05, 2001 6:33 PM

Subject: RE: Cheap Vertical

> Tom,

>

> What diameter aluminum pipe are you suggesting here? I guess a full  
> vertical on 40 would be about 37.5 feet, but the diameter of the pipe  
might

> have a lot do with the resonant length. Also, the ground plane might be  
> factor in the total efficiency of the system. How do you support your  
> vertical antenna? Do use a capacity hat; if so, what size and  
construction?

>

> We are in a suburban location here in SE PA, so no access to irrigation  
> pipe. I think a few lengths of aluminum mast, welded together at the  
seams

> would do as nicely.

>

> Regards,

> Howard Rubin, N3FEL

>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Tom Pennebaker

> Sent: Wednesday, December 05, 2001 5:10 PM

> To: Low Power Amateur Radio Discussion

> Subject: Cheap Vertical

>

>

> I have a full 5/8 vertical on 40 meters. It's about the same size in  
> diameter as aluminum irrigation pipe. I understand this stuff can be had  
> very reasonable. It develops pin holes from sand and eventually becomes  
> useless as irrigation pipe. I'm sure there are farmers/ranchers that have

> this laying around and would be glad to get rid of it.....Tom N4RS  
>

-----  
Date: Wed, 05 Dec 2001 17:30:23 -0700  
From: Earl Murphy <earlmurf@telusplanet.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [114004] WANTED  
Message-ID: <3C0EBC1F.64CC8EB7@telusplanet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang:  
Anyone have a Redhot "RH-40" kit (UNBUILT) they want to part  
with.....LOOKING!

Please reply direct...Thanks

72....Earl (VA6RF)

-----  
Date: Wed, 05 Dec 2001 19:34:41 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: flesnick@tbaytel.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [114005] Re: Not QRP: Help with TS 820 Display  
Message-ID: <3C0EBD21.4AA41470@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Fred,

My service manual also does not spend a lot of time on the display.  
Fortunately mine works properly. If the display is bad, I would expect  
it to be something internal that has opened up. East Coast Transistor  
(on the web) is the authorized Kenwood parts distributor here in the  
east. You might see if the display is still available, and/or ask their  
advice.

-----  
Date: Wed, 5 Dec 2001 19:40:41 -0500  
From: "Tom Pennebaker" <n4rs@netpath-rc.net>  
To: "TheRubins" <hrubin1970@home.com>, <qrp-1@lehigh.edu>  
Subject: [114006] Re: Cheap Vertical  
Message-ID: <001101c17dee\$a31782c0\$682a1bce@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howard, the irrigation pipe comes in 2 sizes. 3 inches and 5 inches, someone correct me if I'm wrong, that's close I'm sure. They come in 20 foot length. My vertical is an old Army surplus unit and is 82 feet tall with 90 5/8 radials. The base section is about 3 inches in diameter. It's the hottest antenna I've ever used for DX. I use a loop when not dxing because the loop is quieter. If I really want to reach out there I go to the vertical. It is guyed with nylon rope....(a no-no!) it's been up a good ten years with no problems. The nylon still looks good but I know it's just a matter of time when it will rot and I'll be rebuilding. Come to think of it I've never had an antenna stay up for ten years with no problems.....hmmmm..Tom N4RS

----- Original Message -----

From: "TheRubins" <hrubin1970@home.com>  
To: <qrp-1@lehigh.edu>  
Cc: <n4rs@netpath-rc.net>  
Sent: Wednesday, December 05, 2001 18:33 PM  
Subject: RE: Cheap Vertical

> Tom,  
>  
> What diameter aluminum pipe are you suggesting here? I guess a full  
> vertical on 40 would be about 37.5 feet, but the diameter of the pipe  
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> have a lot do with the resonant length. Also, the ground plane might be  
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> vertical antenna? Do use a capacity hat; if so, what size and  
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> We are in a suburban location here in SE PA, so no access to irrigation  
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seams  
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>  
> Regards,  
> Howard Rubin, N3FEL  
>

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Tom Pennebaker  
> Sent: Wednesday, December 05, 2001 5:10 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Cheap Vertical  
>  
>  
> I have a full 5/8 vertical on 40 meters. It's about the same size in  
> diameter as aluminum irrigation pipe. I understand this stuff can be had  
> very reasonable. It develops pin holes from sand and eventually becomes  
> useless as irrigation pipe. I'm sure there are farmers/ranchers that have  
> this laying around and would be glad to get rid of it.....Tom N4RS  
>

-----  
Date: Wed, 5 Dec 2001 17:58:24 -0700  
From: "dwinfield" <dendav@dzdn.com>  
To: "Flying Pigs" <fpqrp-1@mpna.com>, "QRPL" <qrp-1@lehigh.edu>  
Subject: [114007] FOX: WR50 Truffle for 5 Dec  
Message-ID: <007001c17df1\$3f00ec60\$516357d1@dwinfield>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Now, THAT was fun...

It was also a personal record, with 14 in the log. That was about what I figured I should be able to work, given my experience and equipment.

Conditions were much better this time around at this end. Still have some skills I need to work on, but I really appreciate the practice...Thank you.

Here's the log:

|      |            |            |    |    |
|------|------------|------------|----|----|
| 0133 | 7045 W8DIZ | 559 DIZ    | OH | 5W |
| 0134 | 7045 W5YR  | 559 GEORGE | TX | 5W |
| 0136 | 7045 W5USJ | 559 CHUCK  | TX | 5W |
| 0137 | 7045 AF4PS | 559 MAC    | FL | 3W |
| 0138 | 7045 N1TP  | 559 TOM    | FL | 5W |
| 0140 | 7045 K5JHP | 559 BILL   | TX | 5W |
| 0141 | 7045 WV9N  | 559 RANDY  | OH | 5W |
| 0143 | 7045 N7TX  | 559 STEVE  | TX | 5W |
| 0144 | 7045 K8KFJ | 559 GARY   | WV | 5W |
| 0146 | 7045 AJ4AY | 559 JAY    | AL | 5W |

0150 7045 K4BYF 559 JACK FL 5W  
0152 7045 W9HL 559 RANDY IL 5W  
0153 7045 W0CH 559 DAVE MO 100MW -- Wow.  
0200 7045 WA8BXN 559 MIKE OH 5W

Corrections are requested.

I really want to thank Randy W9HL and Mike WA8BXN for hanging in there. The SSB seemed to peak right when you were sending your calls. Once I got the call, the rest seemed easy :-).

Mac told me later that I had SSB on frequency, which figures...it was the quietest spot I could find. Now I know why :-D.

Thanks to all, and I'll be looking for you again in January.

72/73 & oo,

Dave Winfield, WR50  
El Paso, Texas DM61ts

FP# -109, SOC #371, ARS #996, Zombie #793

---

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.306 / Virus Database: 166 - Release Date: 12/4/01

-----

Date: Wed, 5 Dec 2001 19:58:20 -0500

From: "Lee Mairs" <[lmairs@cox.rr.com](mailto:lmairs@cox.rr.com)>

To: "qrpl" <[qrpl@lehigh.edu](mailto:qrpl@lehigh.edu)>

Subject: [114008] Re: Write Something! Re: Construction Articles ...

Message-ID: <023101c17df1\$19f40f60\$6501a8c0@cox.rr.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

And W2AGN makes it into the delete before opening file...

73 de Lee, km4yy

Show me a sane man and I will cure him for you.

--C. G. Jung

----- Original Message -----

From: "W2AGN" <w2agn@pobox.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, December 05, 2001 6:11 PM  
Subject: Re: Write Something! Re: Construction Articles ...

>  
> > On Wed, 5 Dec 2001, Bruce Muscolino wrote:  
> > > Hmmm, in 1995 I had an article published in QST on an antenna. In  
1996  
> > > it was reprinted by the League in a handbook for new operators. I did  
> > > receive 3 copies of QST and a check for the article; I had to buy my  
own  
> > > copy of the book. I guess times change!  
>  
> --  
>  
> Yo! Ed, if you're still listening. Instead of sending that \$40 to the  
League  
> in Bruce's name, better send it directly to him! He may be down to his  
last  
> bottle of vitriol!  
>  
> -----  
> John L Sielke W2AGN  
> w2agn@pobox.com  
> <http://www.qsl.net/w2agn>

-----  
Date: Wed, 5 Dec 2001 20:03:22 -0500  
From: "Mike Czuhajewski" <wa8mcq@erols.com>  
To: <qrp-l@lehigh.edu>  
Cc: <wa8mcq@erols.com>  
Subject: [114009] Dealing with OT--HTML archives and Daily Digest  
Message-ID: <008701c17df1\$ce035600\$8934fea9@l8a3h1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I see it's time for one of my occasional advertisements for the HTML  
archives as an alternate method to reading QRP-L. This is NOT for everyone,  
but many people find this to be the best method for them. If you want the

steady flow of posts as they appear, this is not for you. The HTML archives do NOT give you real-time access but it does simplify things in some ways.

You must have a browser to do this; if you have e-mail only, you can't do it. (But don't feel left out; you can still use the Daily Digest, covered later.) Go to this URL--

<http://listserv.lehigh.edu/lists/Archives/qrp-1/>

and you are there. You will see a long list of posts. Simply scan down the list until you see a subject line that looks interesting. Click on the subject and it hyperlinks you to the message. Hit the <BACK> button to return to the list, and repeat until you get to the bottom. The list typically contains postings going back several days before they "scroll off the top," so if you're unable to check in for a day or three you can catch up quickly. (And you can always go to the long term archives at lehigh.edu to catch up on older things you missed.)

Here are some advantages: You do not clutter up your inbox with a lot of traffic, risking the chance that something important might be overlooked. You do not spend a lot of time "hitting delete." There's nothing wrong with looking at each post in your inbox and hitting delete when you realize you're not interested, but it takes a finite amount of time to work through a large inbox that way. Some people like it that way, some do not. It's a personal thing.

(You also don't have to worry about setting up e-mail filters. Some people don't like messing with those, others don't care. Again, it's a personal thing.)

Some disadvantages: The posts are not stored on your computer; if you want to keep a copy for future reference, you have to save it yourself. Also, the posts are not real-time. If something comes up for sale you will not have the chance to jump on it; all you can do is helplessly read an offer, followed by another post saying it's spoken for. And if you suddenly need a quick QRP fix, you might find that the archive list hasn't been updated recently and there's nothing new. (New posts don't appear immediately. I don't know the exact schedule, but it is updated several times a day.)

Another potential disadvantage is that using the HTML archives does require being constantly connected to the Internet for the duration of the session. I'm sure there are still a lot of people who have to pay long distance rates to dial into their provider, and this can get expensive.

At the top and bottom of the list is a command bar. You can select to have the view sorted by thread, subject, date or author. The date view lists them in chronological order, as received at lehigh.edu, while the thread view--my usual choice--lists things according to discussion thread. (A slight

drawback is that not everything in a thread gets listed together unless the subject line is repeated exactly. If it's spelled a bit differently it will appear elsewhere.) You can click on a different view button at any time to have them resorted.

Another option for viewing QRP-L is the Daily Digest. This is a once a day compilation of 24 hour's worth of postings sent out via e-mail. It's only a single entry in the inbox, but a big one. I checked the size of the last 8 days digests, and with one exception they were all well over 100K each. This gives you the full set of postings in one big gulp, and then you can log off if you're paying long distance rates :-)

The digest comes with an indexed table of contents at the top, with a list of the postings and a serial number. You can scan the table of contents for things of interest, then page down to read them. This is another good option for those who don't want the clutter of constant mail filling their inbox, and don't mind the lack of real-time receipt. And over the years there has been a huge number of people who have left QRP-L precisely because they couldn't handle the traffic flow; many of them make a point of publicly unsubscribing and make the reason quite clear. The Daily Digest or HTML archives could quite possibly have saved some of them.

Myself, I use the HTML archives to keep up on what's going on without having to read it all, as well as receiving the daily digest to store on my hard drive for future reference.

To subscribe to the daily digest, go to the QRP-L homepage at

<http://qrp.lehigh.edu/lists/qrp-l/>

and click on "Join the List and other list commands."

Scroll down to "Receive QRP-L in digest mode - SET QRP-L MAIL DIGEST" and click on that. That will bring up a preaddressed e-mail form for you to send. The body will already have the command in it. Or if you have e-mail only, send mail to

[listserv@Lehigh.EDU](mailto:listserv@Lehigh.EDU)

and put SET QRP-L MAIL DIGEST in the text.

Again, both the HTML archives and the Daily Digest are not for everyone, but for many people they can make QRP-L much easier to deal with.

73 and queue our pea DE WA8MCQ

-----



Date: Wed, 05 Dec 2001 20:05:15 -0500  
From: Donn Kuse <casey.jay@gte.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [114010] Re: QQ  
Message-ID: <3C0EC44B.F0715C15@gte.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For George Gingell,  
Don't know why, but your email doesn't work. Keeps bouncing back as non deliverable, no matter which way I try it.  
Got my back issues today, Tnx for the Christmas bonus.  
72/73, Donn, WB4ZWT  
66 and still learning

-----  
Date: Wed, 5 Dec 2001 19:17:32 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <kd7s@psnw.com>, <qrp-l@Lehigh.EDU>  
Subject: [114011] Construction articles only appear if folks write them  
Message-ID: <01ea01c17df3\$c7c78070\$4e100a0a@rohredt2000>

I have read editors begging hams to write up good construction pieces for years, about the same number as the decline of numbers of these and the demise of Ham Radio Magazine.

We are our own worst foe in this, in not taking the time to document what we might have done.

I am working on some now, are YOU?

Congrats to Chris for his professional paper recently published, those count also!

72,  
Stuart K5KVH

-----  
Date: Wed, 5 Dec 2001 19:23:51 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <WD8CIV@worldnet.att.net>  
Cc: <qrp-l@Lehigh.EDU>  
Subject: [114012] Galvanized conduit vert. has some RF losses  
Message-ID: <01f001c17df4\$a9d3b240\$4e100a0a@rohredt2000>

Dave,

I have seen it used, and it is ok, but remember galvanized material is much higher RF loss than copper.

In fact, I have for years suggested folks just use hook up wire for field antennas, but not any more. I recently saw results of some computation on losses in using TINNED copper wire for antenna elements, and it is more lossy by far due to skin effect than plain bare copper! The RF was traveling in the solder and tinning rather than the copper which was the lower loss. This is even more important for loaded antennas and smaller than resonant quarter or half wave antennas.

If you use the conduit for mechanical support for the vertical, then run a bare copper wire alongside it, and solder it to each section to carry your RF at low loss.

Actually, you could make small verticals for 15m and up from copper plumbing pipe, and have ideal low loss material.

72,

Stuart K5KVH

-----  
Date: Wed, 05 Dec 2001 19:46:06 -0600

From: Steve Yates - AA5TB <aa5tb@arrl.net>

To: QRP-L Distribute <qrp-l@Lehigh.EDU>

Subject: [114013] Re: OT (somewhat): Strange QRM summary

Message-ID: <000901c17df7\$c6b30660\$44713ed8@pavilion>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Hi Vance,

30m is full of strange signals as others have told you. Here is a very unusual signal that I received on 30m last year:

<http://www.geocities.com/aa5tb/sig11.html>

There are many military transmissions nowadays that sound out of this world. But still, old fashion CW and phone numbers (spy) stations can be heard on 30m like this phone station here:

<http://www.geocities.com/aa5tb/sig07.html>

Some may remember the unusual clandestine beacon that myself and a few others

heard for over a year  
on 30m. Here is a description of it:

<http://www.geocities.com/aa5tb/sig09.html>

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://www.geocities.com/aa5tb>  
[aa5tb@arrl.net](mailto:aa5tb@arrl.net)

-----  
Date: Wed, 05 Dec 2001 19:48:17 -0600  
From: Steve Yates - AA5TB <[aa5tb@arrl.net](mailto:aa5tb@arrl.net)>  
To: QRP-L Distribute <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [114014] Re: Loop Success  
Message-ID: <000d01c17df8\$1495af40\$44713ed8@pavilion>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Hi John,

Congratulations! The fun is just beginning.

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://www.geocities.com/aa5tb>  
[aa5tb@arrl.net](mailto:aa5tb@arrl.net)

-----  
Date: Wed, 5 Dec 2001 20:58:54 -0500  
From: "Tony Parks" <[robert.parks11@gte.net](mailto:robert.parks11@gte.net)>  
To: <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [114015] Cub Fox preliminary log 12/04  
Message-ID: <002901c17df9\$901af8e0\$01f7153f@3dse0>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello Hounds,

Tuesday evening I was just home from a 12 hour work day so I don't think I was running at my best. Hopefully now too many errors in my paper and pen log. Please let me know of any corrections that are needed.

Thanks for all the fun!

73,

Tony

KB9YIG

TIME/HOUND/RST RECEIVED/STATE/NAME/POWER

0200 KI0II 579 CO RON 1W

0201 W5YR 559 TX GEORGE 5W

0202 WD7Z 559 NM DAVE 5W

0203 AF4PS 559 FL MAC 5W

0204 N1TP 559 FL TOM 5W

0206 K5JHP 559 TX BILL 5W

0208 N5IB 559 LA JIM 5W

0210 K4BYF 559 FL JACK 5W

0211 WD5CMA 559 LA GLORIA 5W

0214 KC1FB 559 CT JIM 5W

0215 VA6RF 579 AB EARL 5W

0217 W0CH 579 MO DAVE 900MW

0219 W4BQP 579 NC JIM 5W

0220 AG0T 599 ND TODD 4W

0221 KK5LD 559 TX DAN 5W

0222 W5USJ 559 TX CHUCK 5W

0225 N7TX 599 TX STEVE 5W

0227 W3CDE 559 CA BOB 5W

0229 K5DI 559 NM KARL 5W

0230 WR50 559 TX DAVE 5W

0232 K0EVZ 589 ND DOC 5W

0234 N0NF 599 NE JOHN 5W

0239 WA9TZE 559 ?? ?? 5W

0247 KG0LD 599 NE BILL 5W

0249 K0NG 599 NE CHAS 5W

0251 VE3FAL 589 ON FRED 5W

0252 KC0GXX 599 NE TOM 2W  
0254 KB0LUR 579 CO PAUL 1W  
0300 KB7WW 559 OR ART 5W  
0307 WB0QQT 339 NE STEVE 4W

0309 AF4AT 589 FL JIM 2W  
0310 VE4WI 559 MB CRAIG 5W  
0312 N0RC 559 CO ROD 5W  
0314 KB1FKL 559 CT MATT 5W  
0316 K50GX 459 ARK PHIL 5W

0321 N10DL 559 NH ARON 4W  
0325 WA8BXN 539 OH MIKE 5W  
0326 KB1DXC 559 CT MIKE 5W  
0329 KG4LDY 559 VA JIM 5W  
0333 N6WG 549 CA BOB 5W

0333 KI0JQ 599 MO LES 4W  
0335 AA50 599 LA VERN 5W  
0342 KG4CHX 599 NC BOB 5W  
0344 KJ0C 589 MO JIM 5W  
0359 W5TB 559 TX DOC 5W

0400 KB9YIG FOX

-----  
Date: Wed, 5 Dec 2001 18:03:08 -0800  
From: John Rollins <kd7bcy@teleport.com>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [114016] need info on old power supply - Preston 106  
Message-ID: <a05101000b8347f3cf659@[216.26.62.206]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Picked up a nice looking power supply... Up to 50V and 2A, both adjustable. It's a Preston Scientific X-MOD 106. Looks like the company still exists down in Anaheim, and I think I just sent them an email(I don't trust web forms). Anyway, I'm told that the jumpers in the back are messed up and the voltage no longer adjusts. I haven't plugged it in yet, I can't seem to find my voltmeter right now. Anyone have any info on this thing?

--

/-----\  
| http://jrollins.tripod.com/ |  
| KD7BCY kd7bcy@teleport.com |  
\-----/

-----  
Date: Wed, 05 Dec 2001 21:24:55 -0500  
From: Fred Lesnick <flesnick@tbaytel.net>  
To: QRPL <qrp-l@Lehigh.EDU>  
Subject: [114017] 160 meter test  
Message-ID: <3C0ED6F7.8C2D2FF5@tbaytel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Despite high winds tonight(gusts up to 55 mph), and some lightning  
crashes, 160 sounds good.

Hearing

K8VT

KA1DDB

W4BT

W5MX

K4MF

NR8S

NOUR

Wiked NR8S, W5MX, and KA1DDB.

Good luck all..

Fred

VE3FAL

PS

(Rained all day today, into December and raining like crazy, I dont  
think I am in Thunder Bay in the frozen North)

-----  
Date: Wed, 5 Dec 2001 21:26:58 -0500  
From: "Nick Yokanovich" <k3ny@cablespeed.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [114018] NC20 ----> NC40  
Message-ID: <01f101c17dfd\$7bdc0820\$8f00a8c0@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Now that my RH20 is running, I am thinking about building an unbuilt NC20 as a 40m model. I thought I had saved info on this way back when this was a hot topic, but can't find any now. Can anyone tell me where I can find info on parts changes for 20m to 40m conversion?

73,

Nick K3NY Arnold, MD

No doctors here.

-----  
Date: Wed, 5 Dec 2001 21:39:30 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: QRP List <qrp-l@Lehigh.EDU>  
Cc: QRPP-I Club <QRPP-I@yahoogroups.com>  
Subject: [114019] Perfect Case for Tiny-Toronado Rev.2 ?  
Message-ID: <20011205212812.R29767-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I didn't have a chance to Measure it or purchase one, as the XYL was ready to leave. We were shopping in a Hallmark (Tm) Card Store this afternoon.

They had a display with Tins of Altoids. OH! Yes, So What? We have seen everything in Altoids Tins... But this one is QRPP :^}

Marked Altoids "Tiny Tin" Both Flavors Peppermint or Wintergreen.

Size Approximately 1-1/2" by 2-1/2" by 1/2" deep. I did not have time to purchase any yet. (\$ 2.50 each). Remember, it is not the Mints, It is the Thought that Counts. :^}

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
Former QRP A.R.C.I. Net Manager and Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems  
Commercial Locksmith Services (301) 572-6789 Office & Fax  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1  
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

-----  
Date: Wed, 05 Dec 2001 22:05:09 -0500  
From: Chuck Ludinsky <cjl@mitre.org>  
To: neqrp@jona1.net, qrp-1@lehigh.edu  
Subject: [114020] NEQRP CW Net, 6 December 01, 8:30 PM EST, 3.565MHz  
Message-ID: <3C0EE065.1A811A5A@mitre.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: quoted-printable

The New England QRP Club's WQ1RP CW net meets again Thursday night, 6 December 2001, at 8:30 PM EST (0130Z, 7 December 01) on or near 3.565 MHz. Net control operator for this week's 80M session will be John, K1RC, operating from Dracut, MA.

Dennis, K1LGQ, was net control operator for last week's net, which had a total of nine participants: =

|        |                                  |             |
|--------|----------------------------------|-------------|
| A1MY   | Seab                             | 599         |
| WA1CFX | Howard                           | 599         |
| AB8DF  | Ed                               | 569         |
| W1KRT  | Ken                              | 599         |
| KD1YV  | Jim                              | 599         |
| WB1HBE | John                             | 599         |
| AE5X   | (Didn't come back for comments.) |             |
| KA3WMJ | Ken                              | 599         |
| K1LGQ  | Dennis                           | Net Control |

Thanks to everyone for QNI'ing.

Dennis reports: "What was unusual were the "phone stations" coming from South America? Not really too sure which direction they flew in from, but sideband was their mode. Did anyone else hear them and do you know where they're from? And, as customary, as soon as one CW station is on=

frequency, several others popped up nearby to "QSO" the locals. Not sure who they were but I suspect they were from the southern part of the country. I did hear a W4 give his call. Did anyone else catch the CW nearby net frequency? Of course, my receiver is soooooooo broad, it was probably from the novice band. Oops!"



Hope to hear you all on this week's net.

72 DE K1CL,  
Chuck

-----  
Date: Wed, 5 Dec 2001 22:14:40 -0500  
From: "Mike Boatright" <ko4wx@mindspring.com>  
To: <qrp-l@lehigh.edu>  
Subject: [114021] Re: OT-Re: NoGa Compendium in time for Xmas  
Message-ID: <NFBBIILMKMIILGKAJMBLAEKOCCAA.ko4wx@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

From: Mike Boatright [mailto:mike.boatright@bbc.co.uk]  
Sent: Wednesday, December 05, 2001 10:04 PM  
To: qrp-l@Lehigh.EDU  
Subject: Re: OT-Re: NoGa Compendium in time for Xmas

There are actually 14 chapters in the book. We left off "Adding Boots to Your NOGANaut" (reprint from QRP Quarterly). Sorry.

As the editor, I can say that it's been a blast putting it all together and it's definitely a reflection of the impact of QRP on several hams' hobbies. Hope that you all agree that this is sort of a "coming of age" for NOGA. We've got an incredibly great group of folks who often HTMF (Have Too Much Fun). Hope also that you all will enjoy the projects and the articles.

We look forward to another edition in time.

72 de Mike, K04WX

-----  
Date: Wed, 5 Dec 2001 22:34:10 -0500  
From: "Brian" <brian@iquest.net>  
To: <ko4wx@mindspring.com>,  
      "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [114022] Re: OT-Re: NoGa Compendium in time for Xmas  
Message-ID: <002601c17e06\$deb964c0\$48302bd1@bmurrey2K>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yeah but Mike....if it doesn't contain the NoGa Award Winning antenna design, incorporating space alien mojo, and mojo balls....then how can it ever be complete?

HIHI

72 es 00

----- Original Message -----

From: "Mike Boatright" <ko4wx@mindspring.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, December 05, 2001 10:14 PM  
Subject: Re: OT-Re: NoGa Compendium in time for Xmas

>  
> From: Mike Boatright [mailto:mike.boatright@bbc.co.uk]  
> Sent: Wednesday, December 05, 2001 10:04 PM  
> To: qrp-l@Lehigh.EDU  
> Subject: Re: OT-Re: NoGa Compendium in time for Xmas  
>  
>  
> There are actually 14 chapters in the book. We left off "Adding  
Boots to  
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>  
> As the editor, I can say that it's been a blast putting it all  
together and  
> it's definitely a reflection of the impact of QRP on several hams'  
hobbies.  
> Hope that you all agree that this is sort of a "coming of age" for  
NOGA.  
> We've got an incredibly great group of folks who often HTMF (Have  
Too Much  
> Fun). Hope also that you all will enjoy the projects and the  
articles.  
>  
> We look forward to another edition in time.  
>  
> 72 de Mike, K04WX  
>  
>  
>

-----  
Date: Wed, 05 Dec 2001 22:42:09 -0500  
From: "Neil" <wa4chq@qsl.net>  
To: qrp-1@Lehigh.EDU  
Subject: [114023] psk31 dos  
Message-ID: <200112060342.WAA11315@lycanthrope.crosslink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Greetings-

what form of zip file does the program for psk31 "intercom" use? I would like to try it but I can't open it.

72

Neil wa4chq

--check out-- <http://www.qsl.net/wa4chq>

-- Arachne V1.70;rev.3, NON-COMMERCIAL copy, <http://arachne.cz/>

-----  
Date: Wed, 5 Dec 2001 19:47:55 -0800 (PST)  
From: MARSHALL MONTCHALIN <teknetron@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [114024] Construction articles...  
Message-ID: <20011206034755.88821.qmail@web12902.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi all!

I am new to the list and this is my first post.  
Just about everytime I begin a project I think about writing it up, don't you?

I've got somewhere between two and three current projects, still in the formative stages that involve crystals and crystal filters but until I get my fet to oscillate- nothing doin'. I have a new scope, new 455KHz crystal filters, 10M-12M- and 15M resistors for my fets and a deep, wide, varied treasure box.

Interested? Keep your eyes on our magazines! I'll watch for your projects too.

72/73, KF6PBG (Marshall)

-----  
Do You Yahoo!?  
Send your FREE holiday greetings online!  
<http://greetings.yahoo.com>  
-----

Date: Wed, 05 Dec 2001 20:48:18 -0700  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <n4rs@netpath-rc.net>  
Cc: qrp-1 <qrp-1@lehigh.edu>  
Subject: [114025] Re: Marker Generator  
Message-ID: <B8343891.F8EC%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Tom - I am one of those who pushed the marker generator kit. You don't need it for building the Tuna Tin 2, but it is so useful that as long you are mailing a check to Jay, you may as well include the extra \$12 for a marker generator kit.

The VE3DNL marker generator generates signals every 5 kHz, 10 kHz, 20 kHz, or 40 kHz. You select them. They are good up to 30 MHz. I can still hear mine at 50 MHz. Your markers may vary.

What do you do with it? If the band seems particularly dead, fire up the marker generator, and see if you can hear it. That will tell you if the band is dead or if your receiver is dead. Of course you should do this when the band is open and receiver is working, just so you know what level to expect.

It is ideal for building receivers. If you finish your 20 M receiver/transceiver at 3 AM and the band is dead you can still align it with the marker generator. Just fire up the generator and align the rig. You can use it to set your BFO offset as well.

You can also use it to calibrate your dial. Say you are on 40 M. Tune in W1AW on your receiver. You know that this is 7047 or so. Switch the marker generator on to 40 kHz. Tune down from W1AW until you hear the marker. Mark 40 kHz on your dial. Switch the marker generator to 5kHz and calibrate the rest of the dial.

Set the crystal trimmer to zero beat with WWV and you have a secondary transfer standard for frequency. Just like the big labs.

You can also use the marker generator to tell how wide your VFO coverage is. Set to 5 kHz and see how many markers you hear.

It is a simple kit to build and serves as a good "warm up" for the Tuna Tin 2 if you have not built a kit before. It also impresses those old geezers (like me) at your local club meeting when you take it to show and tell.

Mine isn't in a box. - Dr. Megacycle KK6MC/5 "Radio Green Chile"

--

James R. Duffey KK6MC/5  
Cedar Crest, NM DM65

-----  
Date: Wed, 5 Dec 2001 22:47:31 -0500 (EST)  
From: baltimoremd@baltimoremd.com  
To: Bruce Muscolino <w6toy@erols.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114026] Re: Write Something! Re: Construction Articles ...  
Message-ID: <20011205224404.098462-100000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 Dec 2001, Bruce Muscolino wrote:

> Speaking of cheap shots! Your humor does not make you comment.

Poor baby...

>  
> I was fairly compensated for my article, at eh going rate for 1995, \$65  
> per page or part of a page. My article ran three or four pages as I  
> remember.

But the way you wrote about it at first, it appeared to be a complaint.

>  
> I have always held the same attitude toward the League, and have  
> uniformly supported it. I do not support their fund raising activities  
> or their methods.

And, so Mr. Peabody detected your attitude (g).

> saying I don't support the League? Just what have you done for them  
> lately!

Same as you...nothing...I paid my life membership dues way back in the early 60's.

thom

-----  
Date: Wed, 5 Dec 2001 20:17:15 -0800  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [114027] Steve N0TU - Don't have your e-mail address  
Message-ID: <004201c17e0c\$e4727c20\$2915f4d8@tjnotebook>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth, but am trying to get in touch with Steve N0TU.  
Steve, I may be able to try it Friday AM...

72/73  
Trev  
KG6CYN/portable 9

-----  
Date: Wed, 5 Dec 2001 22:33:11 -0600  
From: "Rob Matherly" <kc0bom@arrl.net>  
To: <flesnick@tbaytel.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114028] Fw: [Amateur-repairs] Fw: Help with TS 820 Display  
Message-ID: <025301c17e0f\$1f711b40\$3711a541@intern01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Forwarded it to Amateur Repairs, here's what someone had to say:

<---

Rob, getting the counter working will involve removing the counter and PLL/VCO units, and cleaning the inter-board connections. They are fairly robust and hard to damage, but it is not an easy task. This is a common problem, especially in smoker's TS-820S.

bill

--->

Hope it helps!

72/73/oo

Rob, kc0bom

FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp #19

-----

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

-----

Date: Wed, 05 Dec 2001 20:58:51 -0800

From: "Kevin Philbin" <oz2dkp@hotmail.com>

To: qrp-l@lehigh.edu

Subject: [114029] Packaging a SW-40

Message-ID: <F39rzvsTDWWcuZcGwM00000ce18@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Dear expert builders;

I have a completed sw-40 and a case that was used with the Norcal 40A. There is plenty of room inside but the front and rear rectangular pieces (where the volume, tuning, etc will go) have no support pieces. With the Norcal 40A the connectors/controls are all pc board mounted and i didn't realize how slick an idea this was till now.

The obvious answer is to use "L" brackets but if possible I would like a "clean" front panel with only the volume and tuning knobs and no screw heads.

Any ideas?

Thanks!

D.K. Philbin

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

-----

Date: Wed, 5 Dec 2001 21:50:12 -0800

From: "John Moriarity" <k6qq@hdo.net>  
To: <jim-c@nc.rr.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114030] Re: NP0 Identification  
Message-ID: <029601c17e19\$e01f14a0\$805fa13f@k6qq>

----- Original Message -----

From: "Jim Campbell" <jim-c@nc.rr.com>

> ...NP0 must  
> mean NegativePositiveZero.  
>  
> If this isn't correct, would someone please tell me?

Give that man a cigar!!

72,

John, K6QQ

-----  
Date: Wed, 5 Dec 2001 22:08:33 -0800  
From: "Dave Fifield" <dave@redhotradio.com>  
To: <k3ny@cablespeed.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114031] Re: NC20 ----> NC40  
Message-ID: <002101c17e1c\$7028f140\$0200a8c0@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Dr. Arnie,

Check out this web page for the info:

[http://www.redhotradio.com/NC20\\_2\\_RH40.htm](http://www.redhotradio.com/NC20_2_RH40.htm)

If you start with a RH20 rig, then the AFA will work for 40m too. An AFA from the original club kit NC20 will not work on the 40m conversion - if this is what you have, we can sell you a new AFA as a spare part for \$6 plus \$1 shipping.



Have fun with the conversion. Cheers es 72,  
Dave Fifield, AD6A

----- Original Message -----

From: "Nick Yokanovich" <k3ny@cablespeed.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, December 05, 2001 6:26 PM  
Subject: NC20 -----> NC40

Now that my RH20 is running, I am thinking about building an unbuilt NC20 as a 40m model. I thought I had saved info on this way back when this was a hot topic, but can't find any now. Can anyone tell me where I can find info on parts changes for 20m to 40m conversion?

73,  
Nick K3NY Arnold, MD  
No doctors here.

-----  
Date: Thu, 06 Dec 2001 06:00:12 -0600  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [114032] ARCI 160M Sprint  
Message-ID: <3.0.2.32.20011206060012.0088bc40@mail.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hook up my dipole as a center-fed top-loaded wire and connected it to the transmatch. Seemed to be loading OK and started listening around 1810.

Heard lots of stations, mostly just above the noise level. Tried answering CQs and I think I heard at least two stations return the call. The QSB got them before I could complete an exchange.

Never tried 160 just after dark before and have had my best success early in the morning an hour or two before daylight.

How about an early morning sprint... Nahhhhh

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275  
Zombie #759, QRPp-I #115, Visit NETXQRP Web Site: <http://www.netxqrp.org>

-----  
Date: Thu, 6 Dec 2001 06:08:34 -0800  
From: "Dave Benson" <nn1g@earthlink.net>  
To: <alihernlem@hotmail.com>  
Cc: <qrp-l@lehigh.edu>  
Subject: [114033] Re: KITS: Noise Bridge announcement (Question)  
Message-ID: <002a01c17e5f\$7f5bcc80\$b1e9d73f@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Brad-

Either configuration will work. Whenever you see a impedance (represented in the 'R+Jx' form), it's probably easiest to think of it in terms of a resistance and a reactance in series- the same way it's written. There's an equivalent form which has the same (complex) impedance but comprises a resistance and a (different) reactance in parallel.

The parallel form probably has a slight edge in that the 'low' side of the resistor and capacitor will both be at ground potential and therefore less susceptible to hand-capacity effects. This should be a pretty minor effect for our applications- I found no difficulty in getting a repeatable and stable null with the series configuration. Based on available values of air-variable capacitors, there may well also be cases where the parallel form is better suited to balancing the 'unknown' impedance. For builders who'll be carrying the basic bridge kit a step further and adding their own enclosure and full-sized controls, either configuration should be usable.

The recent announcement about this bridge has prompted some good questions and comments. It wasn't my intent to upstage the recently-started Elmer 101 exercises, but grew out of an inquiry someone made about availability. We're still shooting for a release date in time for the holidays, so I suspect the timing will work fine. We've got folks like George, W5YR, and doubtlessly others who have expertise to contribute on this reflector, and it might make a good follow-on 'test equipment' thread once Elmer 101 is safely tucked away.

73- Dave, K1SWL

-----Original Message-----

From: Brad Hernlem <alihernlem@hotmail.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Wednesday, December 05, 2001 8:26 AM  
Subject: Re: KITS: Noise Bridge announcement (Question)

Question:

I have seen different noise bridge designs with either the balance arm pot and cap in series or parallel (the unknown arm fixed cap was either in series or parallel, respectively). Is there any advantage or drawback to selecting either design?

<<

-----  
Date: Wed, 5 Dec 2001 20:49:25 -0800  
From: "Doug Hendricks" <ki6ds@dospalos.org>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114034] QRPP has Construction Articles and Projects and More. (Long)  
Message-ID: <000701c17e11\$6434a4c0\$1fa3ad40@dospalos.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I would like to make a couple of comments here. First of all, I think that being published in QRPP, Sprat or the NJQRP Club's Homebrewer has every bit as much status as being published in CQ, 73 or QST. I don't think that George, George or I have to apologize or take second fiddle to the "big boys" for anything. I also don't think that people are "settling" for a club journal when they submit articles to us. I think that QST would have been proud to have published articles that have appeared in all three journals. Why don't guys go to QST? Well for one thing, they have a long lead time. Second, there are writes, rewrites, corrections etc. It is time consuming. It is much easier to write for QRPP, Homebrewer & Sprat, plus usually you get to see your article in print sooner. (Note, I have misplaced and screwed up a couple of articles in my time, not on purpose, but I have done it.) No our articles are not scrutinized by professionals, because we are amateurs. I have never been paid a cent to edit QRPP. Nor have I ever paid anyone to write an article. We don't do that. I contribute and so do the authors, because they want to.

I would also venture to say that more QRPers read the QRP journals than read QST. My guess would be that about 1/2 of the members of this list belong to the ARRL. So if you write a QRP construction article, maybe you want to publish in a club journal instead of "settling" for QST. Grin. I do know

that when the SMK appeared in QRPP and on this list we sold far more kits than when it came out in QST (it was in the new products column, but it was in QST) as we only sold about 100 more kits that we could attribute to the QST mention. We found the same thing to be true about BLT tuners. Rich Arland did a nice write up on them. But guys, Rich Fisher's mention in World Radio sold probably twice as many tuners as QST did.

A couple of years ago Paul Pagel of the league contacted me and asked me to help him locate some good construction articles. He wanted to know how we got such good ones in QRPP. I took that as a compliment. I explained to him that NorCal has invested seed money in several projects, and as a result, we have gotten some excellent articles in return. We have a couple in the mill right now that are just about ready too!!! Grin. I also work at it. I have met a ton of people who have been very, very kind to me, and have been very helpful. I have seen a huge growth in guys writing QRP articles. Fewer Construction articles?? No, not in my opinion. I think because of QRPP, The Homebrewer and Sprat, that there are many, many more guys writing articles than at any other time in QRP history. QST, CQ, World Radio and 73 all have devoted space to QRP.

It used to be that guys would design a project and the only place to take it was QST, 73 or CQ. But now, because of the club journals and the internet and the huge growth of QRP, we have seen a marvelous trend take place. There are more choices now on kits and projects to build now than there were 10 years ago. Let me give you a list:

Elecraft Radio - K2 & K1 plus accessories

Small Wonder Labs - PSK20, SWL+ series, DSW radios, plus accessories.

Oak Hills Research - Still selling transceivers and wattmeters.

Red Hot Radio - NorCal 20's, Red Hot 40's and they might bring the SMK back.

World Radio - They sell the SD20 poles, and there are a whole bunch of things that you can do with that. Just ask Ed Manual or Dave Gauding.

Kanga US - Bill Kelsey has a full line of great kits. A ton of them, and he has a great 10 Meter pole that Ed Manual loves.

NJQRP Club - Check their web site for many, many projects.

Ft. Smith QRP Group - VE3DNL Marker Generator and Tuna Tin 2

NorCal QRP Club - BLT Tuners and 7.040, 7.122 & soon to have 14.060 crystals and the web site has a ton of projects to build. Tuna Tin 2, CB Slider, Herring Aid 5, SMK-1 stuff by Wayne McFee, P-Ticks etc.

Arizona ScQRPions with several projects under their belts, and good ones too!

New England QRP Club is getting back into doing kits. I was at the meeting in August that Dave Benson talked about. The enthusiasm at that meeting was great.

North Georgia Group - Several projects and today they even announced a compendium of 13 projects the club has done.

Bill Jones Web Site - A complete course on how to build cases

The Tiny Tornado from Brice on this list. He has upgraded the original Pixie design, and has a very nice history of the Pixie Articles from Sprat

done by Tony Fishpool

Kanga in Great Britain - John has many nice products.

The German QRP Group - Peter Zenker's gang has many, projects to work on.

You gettin' tired of this exercise? I think I have made my point.

Someone asked how do I get the articles for QRPP? They come in the mail, guys hand them to me, I see a posting on qrp-l that interests me and I contact the guy and ask him to write an article, I go to a NorCal meeting every month, I went to Ft. Smith, Riverside, Pacificon this year. I visited the NE QRP Club meeting, Russelville, Ark QRP group, and I have met a lot of people who have been very gracious and kind to me. I ask and am not bashful about it. A friend of mine told me that sometimes you have to ask for what you want, and he is right. Do it politely and you will probably get a positive response. Make it as easy as possible. Work with your authors. Do I have a backlog of articles? No, not really. Have I ever struggled to fill the pages of QRPP? No, not at all, quite the contrary. It is easy to get material. Always has been for me. I don't worry about it. QRPP is a hobby for me, I do it because it is a way that I can make a positive contribution to the hobby and to society. I enjoy it. But I have an easy job. The guys that do the work are you guys. You do the stuff that we read about in QRPP. Thanks for doing it. I know that I enjoy reading it.

When George Heron wanted to start a journal for the NJQRP club, he talked with me about it. He asked if I ever had a problem with getting good material. I told him no, and that he would not have either. I told him that there was a whole bunch of guys in the NJ QRP Club who would write for him, and that when others saw what a great journal it was, that they would follow suit. I explained that sometimes you have to ask, and facilitate, but the articles would come. And they have. George does as good a job as anybody out there. George Dobbs has been my mentor and model for QRPP. I modeled QRPP after Sprat from the start and freely admit it. Heck, the first issue was full of stuff that I stole from Sprat, and George later forgave me. I was thrilled the first time that he reprinted something from QRPP in Sprat, it was one of the big honors of my life as a ham. When George did that, I knew that QRPP was the real deal.

But you want to know a couple of guys who never, ever hurt for material? Dave Gauding and Keith Arns of the St. Louis QRP Society. They put out a journal for the local guys. Probably about 50 issues per press run. Every issue has something neat in it. They put it out every month and have about 150 issues so far. Never missed a month. Those two guys are amazing. They don't complain, they do. Maybe that is the secret. Food for thought.

Have a good day, and sorry to be so long winded. But there are plenty of construction articles and projects to build today. Bill Jones is right. There are less in QST, but there are many, many more out there. By the way, Dave was right. Bill Jones has been published in just about every journal I

have picked up, and he writes great stuff. Plus he is great guy to know and have as a friend. Bill Jones has done and will do his part.

To wind this up, enjoy the hobby, it is alive and very well.  
72, Doug, KI6DS

-----  
Date: Wed, 5 Dec 2001 22:28:00 -0800  
From: "Dave Fifield" <dave@redhotradio.com>  
To: "Dave Fifield" <dave@redhotradio.com>, <k3ny@cablespeed.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114035] Re: NC20 ----> NC40  
Message-ID: <005501c17e1f\$27a698c0\$0200a8c0@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You'll need to add an 'l' on the end of the URL:

[http://www.redhotradio.com/NC20\\_2\\_RH40.html](http://www.redhotradio.com/NC20_2_RH40.html)

Cheers,  
Dave F.  
AD6A

----- Original Message -----

From: "Dave Fifield" <dave@redhotradio.com>  
To: <k3ny@cablespeed.com>; "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, December 05, 2001 10:08 PM  
Subject: Re: NC20 ----> NC40

Hi Dr. Arnie,

Check out this web page for the info:

[http://www.redhotradio.com/NC20\\_2\\_RH40.htm](http://www.redhotradio.com/NC20_2_RH40.htm)

If you start with a RH20 rig, then the AFA will work for 40m too. An AFA from the original club kit NC20 will not work on the 40m conversion - if this is what you have, we can sell you a new AFA as a spare part for \$6 plus \$1 shipping.

Have fun with the conversion. Cheers es 72,

Dave Fifield, AD6A

----- Original Message -----

From: "Nick Yokanovich" <k3ny@cablespeed.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, December 05, 2001 6:26 PM

Subject: NC20 ----> NC40

Now that my RH20 is running, I am thinking about building an unbuilt NC20 as a 40m model. I thought I had saved info on this way back when this was a hot topic, but can't find any now. Can anyone tell me where I can find info on parts changes for 20m to 40m conversion?

73,

Nick K3NY Arnold, MD

No doctors here.

-----  
Date: Thu, 06 Dec 2001 07:53:24 -0500

From: Al Scanandoah <k2zn@rochester.rr.com>

To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [114036] 160 Sprint

Message-ID: <3C0F6A44.4760AACD@rochester.rr.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I struggled to manage a whopping 7 Qs. If it wasn't for the ALA-1530 RX loop, it would have been incredibly painful with all the line noise around here.

I keep telling myself that it'll only be another ten years or so until the kids are out of the house, then I can move to a smaller place on a BIG lot...

Al, K2ZN

-----  
Date: Thu, 6 Dec 2001 06:07:48 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114037] Re: KITS: Noise Bridge announcement  
Message-ID: <Pine.LNX.4.33.0112060604030.1381-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes it is Shawn. There are openings where the smoke and steam generated by placing 100 watts on the Noise Bridge will dissipate into the room without exploding. If your worried about this, I have the MFJ noise bridge and whenever that is connected to the transceiver I have removed both the mike and key. I haven't blown mine up yet.

On Wed, 5 Dec 2001, Upton, Shawn wrote:

> Dave, quick question on this guy--is it protected for the case of,  
> accidental transmitting? I have a TenTec noise bridge, and the instructions  
> go to the point of informing you what parts will need replacing if you  
> accidently tx with the unit inline.

>

> Shawn Upton, KB1CKT  
> Product Development Engineer - Sensors  
> Allegro MicroSystems, Inc  
> Concord, NH  
> 603.228.5533 ext. 429

>

>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----

Date: Thu, 6 Dec 2001 06:14:49 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Tom Pennebaker <n4rs@netpath-rc.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114038] Re: Marker Generator  
Message-ID: <Pine.LNX.4.33.0112060609210.1381-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII



Hi Tom, the Marker Generator is a cheap and elegant way to Know where you are with a home built kit. I have it mounted inside my Ten Tec Argonaut with a button that I press to turn it on. The Argo has a calibrated dial that is pretty good but the drifty L-C oscillator does. So If I am trying to find a specific frequency the Marker does it. I make sure The calibrated dial is accurate 10 KHz from the deired frequency and then get on it.

And you won't always have that calibrated radio with you.

On Tue, 4 Dec 2001, Tom Pennebaker wrote:

> I'm contemplating getting a TT2. Why is there so much emphasis put on the  
> "Marker Generator". I must be missing something....I've got a very good and  
> accurate receiver to let me know where I'm at. Someone please enlighten  
> me...Tom N4RS  
>  
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----  
Date: Thu, 06 Dec 2001 08:10:48 -0500  
From: "Tim A. King Jr." <iflyos@hotmail.com>  
To: oz2dkp@hotmail.com, qrp-1@Lehigh.EDU  
Subject: [114039] Re: Packaging a SW-40  
Message-ID: <F144dRt73Xw8Hg69Qbw00005ac2@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Lets see if I can explain this so it makes sense....

Ok, use the "l" brackets anyway. Mount the pots to them. Drill the corosponding hole in the front panel. Use an extra nut to secure the front panel to the potentiometer...if you have two controls on the front, then you should be ok as far as stability of the front panel in concerned. You can mount the other leg of the "l" bracket to the bottom of the case, where haveing exposed screwheads won't matter....

73 & let us know how it turns out!

Tim A. King, Jr.  
KG4MQD  
Safety Officer, Hobby Park R/C Aircraft Club  
Winston Salem, NC  
AMA# 578668  
QRPP International #11

Albert Einstein, when asked to describe radio, replied:

"You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."  
Albert Einstein (1879-1955)

-----Original Message Follows-----

From: "Kevin Philbin" <oz2dkp@hotmail.com>  
Reply-To: oz2dkp@hotmail.com  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: Packaging a SW-40  
Date: Wed, 05 Dec 2001 20:58:51 -0800

Dear expert builders;

I have a completed sw-40 and a case that was used with the Norcal 40A. There is plenty of room inside but the front and rear rectangular pieces (where the volume, tuning, etc will go) have no support pieces. With the Norcal 40A the connectors/controls are all pc board mounted and i didn't realize how slick an idea this was till now.

The obvious answer is to use "L" brackets but if possible I would like a "clean" front panel with only the volume and tuning knobs and no screw heads.

Any ideas?  
Thanks!

D.K. Philbin

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Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

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Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

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Date: Thu, 06 Dec 2001 01:56:33 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114040] Re: Loop Success  
Message-ID: <5.0.2.1.0.20011206012536.00af9160@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:48 PM 12/5/2001 -0600, Steve Yates - AA5TB wrote:

>Hi John,  
>  
>Congratulations! The fun is just beginning.  
>  
>73,  
>Steve Yates - AA5TB  
>Fort Worth, TX - EM12gs

Steve, John and gang,  
The loop is a really fun antenna. A great source of info is QST June 1986,  
The article  
is called "Small, High-Efficiency Loop Antennas" by Ted Hart W5QJR.  
There are suggested diameters for various bands and info about capacitors.  
(I'm sure Steve knows all this...HI!)  
Just thought I would cite my favorite reference...:-) These things work  
great but EVERYTHING has  
to be done just right  
73 Pete NV4V  
PS...you can get copies of QST articles from the ARRL

-----  
Date: Thu, 6 Dec 2001 08:30:19 -0500  
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>  
To: "'Karl F. Larsen'" <k5di@zianet.com>,  
"Upton, Shawn" <SUpton@ALLEGROMICRO.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114041] RE: KITS: Noise Bridge announcement  
Message-ID: <E1F0152638DBD311AEF700D0B74455E23BFF6D@exchange\_nh.allegromicro.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Ahh, I'm not worried about--I just wanted to make sure that this caveat was known. I don't know of a noise bridge--not that I'm an expert, I just have not seen one--that you can transmit through and not damage. Some of the high end ones, I think, have a rotary switch that, when you turn the unit on, it places the unit inline with the coax and you can tune up; then when you turn the unit off, the unit switches out of line, without you having to mess with any coax. Maybe I'm wrong on that one too--wouldn't be the first time.

I'm not sure what Dave has designed into his kit, but maybe that would make a great addition--a rotary switch that could be used in the manner outlined above. Maybe one could use some back to back diodes for a bit of protection, to protect the noise bridge... But I suspect that replacing the blown components in a noise bridge would be cheaper than replacing a blown final!

I'm interested in quicker ways to tune up. Noise bridges and antenna analyzers help me not to "pollute" the airways with carriers. I finally picked up a MFJ-207 swr analyzer, and it's pretty neat. The adapter that I have to connect it to the freq counter does not work well, but I found the other night that if I leave the radio on, I can hear the 207 in the receiver, even with the receiver not connected to anything! Then, I can just set the 207, and go about tuning the antenna, and nobody outside of a few miles can hear the carrier from the 207. Only thing is, I have to take the coax off the rig and plug it into the 207, and then plug it back into the radio... Gripe gripe gripe, it's one of the best things I do in life.

Shawn Upton, KB1CKT  
Product Development Engineer - Sensors  
Allegro MicroSystems, Inc  
Concord, NH  
603.228.5533 ext. 429

-----Original Message-----

From: Karl F. Larsen [mailto:k5di@zianet.com]  
Sent: Thursday, December 06, 2001 8:08 AM  
To: Upton, Shawn  
Cc: Low Power Amateur Radio Discussion  
Subject: Re: KITS: Noise Bridge announcement

Yes it is Shawn. There are openings where the smoke and steam generated by placing 100 watts on the Noise Bridge will dissipate into the room without exploding. If your worried about this, I have the MFJ noise bridge and

whenever that is connected to the transceiver I have removed both the mike and key. I haven't blown mine up yet.

On Wed, 5 Dec 2001, Upton, Shawn wrote:

> Dave, quick question on this guy--is it protected for the case of,  
> accidental transmitting? I have a TenTec noise bridge, and the  
instructions  
> go to the point of informing you what parts will need replacing if you  
> accidently tx with the unit inline.

>

> Shawn Upton, KB1CKT  
> Product Development Engineer - Sensors  
> Allegro MicroSystems, Inc  
> Concord, NH  
> 603.228.5533 ext. 429

>

>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----

Date: Thu, 6 Dec 2001 08:37:49 -0500

From: Bill Coleman <aa4lr@arrl.net>

To: <W2SH@aol.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [114042] Re: Linear Loaded Antennas

Message-ID: <20011206133859.CQPC23718.imf13bis.bellsouth.net@[192.168.0.21]>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 11/26/01 8:43 PM, W2SH@aol.com at W2SH@aol.com wrote:

>Also, where the loading is placed is important. Linear loading is basically  
>inductive and it is most effective if installed at a point in the antenna  
>where the current is at its maximum. Therefore, in the case of a half-wave,  
>center-fed dipole, the linear loading should take the form of two loops of  
>wire at the feedpoint. Each loop starts out towards the antenna end and  
>then  
>is doubled back to the center where the feedline is attached.

Isn't this the exact WORSE place to put such loading? Outbound currents at the center (where they are maximum), would have their radiation cancelled by the inbound currents on the foldback.

Better to put the loading nearly the ENDS of the antenna, where the currents are LOWEST. That way, the radiation cancelled by the loading is minimal.

I'll agree that typical linear loading does occur in the center of antennas, usually for mechanical reasons. But it's not optimal.

Granted, like using a loaded whip antenna, you'll need more inductance to end-load the antenna, but it is more efficient than base or center loading.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Thu, 6 Dec 2001 06:42:30 -0700  
From: "Steve Thompson" <steve@xcvr.com>  
To: <qrp-1@lehigh.edu>  
Subject: [114043] [Elmer 101] C102/C112 Function in PS  
Message-ID: <200112060642.AA189399216@xcvr.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Mike,

Having completed the power supply portion of the board (Lesson 1, Part 2), I am reading your explanations of what these parts do. You say:

"C102 and C112 provide decoupling on the power rail. They provide a low impedance path for any AC on the internal power system. This keeps the supply a clean D.C. voltage with a very small A.C. component."

Now, I have four questions for you:

(1) If I am understanding this correctly, then it means these caps are there to (among other things?) "clean up" the power by removing AC. This is done by allowing any AC portions of the power to go to ground, while the DC portions do not see those caps as a path to ground. Correct?

(2) Can't this function be performed by only one capacitor? Why two in this scenario?

(3) What specifically is "power rail"?

(4) Why, then, would there still be a small AC component in the power?

72/3,  
Steve N7TX  
Valley Ranch, TX

-----  
Date: Thu, 06 Dec 2001 08:49:39 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114044] Re: Loop Success  
Message-ID: <3C0F7773.3F166171@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Do you (or anyone else) perhaps have Ted Hart's book (The Loop), too?

I was considering buying the book and it's now also offered as a freebie when you subscribe to antennex.

73s,  
--Alex

Pete Burbank wrote:

> Steve, John and gang,  
> The loop is a really fun antenna. A great source of info is QST June 1986,  
> The article  
> is called "Small, High-Efficiency Loop Antennas" by Ted Hart W5QJR.

> There are suggested diameters for various bands and info about capacitors.  
> (I'm sure Steve knows all this...HI!)  
> Just thought I would cite my favorite reference...:-) These things work  
> great but EVERYTHING has  
> to be done just right  
> 73 Pete NV4V  
> PS...you can get copies of QST articles from the ARRL

-----  
Date: Thu, 06 Dec 2001 09:13:17 -0500  
From: Mike Maiorana <mikemo@attglobal.net>  
To: steve@xcvr.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [114045] Re: [Elmer 101] C102/C112 Function in PS  
Message-ID: <3C0F7CFD.F1535FAF@attglobal.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Steve,  
Here are some answers to your questions.

> (1) If I am understanding this correctly, then it means these caps are there to  
(among other things?) "clean up" the power by removing AC. This is done by  
allowing any AC portions of the power to go to ground, while the DC portions do  
not see those caps as a path to ground. Correct?

1) Yes, that is correct. The capacitors provide a low impedance path for  
AC on the power supply. The big cap also "stiffens" the power supply  
because it is able to provide spikes of current that are required by the  
radio. Remember that your power supply is not perfect either. It has  
internal resistance and the wires that power the radio are inductive.  
The big cap provides a head start on supplying current spikes.

> (2) Can't this function be performed by only one capacitor? Why two in this  
scenario?

2) In a perfect world you would only need one capacitor, depending on  
the load impedance and the lowest AC component that you would see.  
Unfortunately, different capacitors are good at different things. The  
electrolytic capacitor is very good at storing a large amount of charge  
and at filtering low frequencies. However, due to the way it is  
constructed it is no good at filtering high frequencies as its internal  
inductance is high. This is why you very often see a large electrolytic  
capacitor in parallel with a tiny disk capacitor. The small capacitor is  
much better at filtering RF.



> (3) What specifically is "power rail"?

3) The "power rail" is just a figure of speech. It references the power supply lines in the circuit. They are often drawn in schematics as a line across the top, supplying power to the different stages of the circuit. So it looks like a "rail".

> (4) Why, then, would there still be a small AC component in the power?

4) Nothing is perfect. You can remove most of the noise, ripple and RF from the power supply, but not all of it. The filter caps in the sw-20+ are "good enough".

Regards,  
Mike Maiorana, KU4QO

-----  
Date: Thu, 06 Dec 2001 09:21:08 -0500  
From: "Mike Melland" <w9wis@charter.net>  
To: qrp-l@lehigh.edu, njqrp@njqrp.org  
Subject: [114046] Great Parts Source (and probes)!  
Message-ID: <web-1455106@dc-mxdb02.cluster1.charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"  
Content-Transfer-Encoding: 8bit

Perhaps some of you are already aware of :

Mark Hannah  
Mark Hannah Surplus Electronics  
822 NW Murray Blvd, PMB# 250  
Portland, OR 97229  
Office 503-848-8189  
Fax 503-642-7185  
Warehouse 503-591-7391  
<http://www.markhannahsurplus.com/>

Great place.... lots of obsolete and surplus electronics, test equipment (including Tek and HP parts!) and imho good prices. I just purchased 2 ea Tektronix P6131 complete new in the bag 350 MHz o'scope probe kits from Mark for \$105 shipped ! These puppies were mfg for the 2400 series and are sold by Tek for \$285 EACH ! He had them listed on his web page with other parts/probes for \$100 each ... I asked if I bought two if I could get a better price and behold ! It pays to ask..... usual disclaimers and your mileage may

vary.

73 de Mike, W9WIS  
Winneconne, WI

-----  
Date: Thu, 6 Dec 2001 08:28:04 -0600  
From: "Gene Sailsbury" <gsailsbury@mobill1.net>  
To: "Low Power" <qrp-1@Lehigh.EDU>  
Subject: [114047] FS: MAHA 1700mAh battery  
Message-ID: <006401c17e62\$3819e340\$59c03fd8@mshome.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have for sale the following battery.  
MH-FNB-72 9.6V 1700mAh for the FT-817. New never used.  
\$45.00 shipped.  
Gene Sailsbury kc0iky  
gsailsbury@mobill1.net

---  
Outgoing mail is certified Virus Free.  
Checked by AVG anti-virus system (<http://www.grisoft.com>).  
Version: 6.0.303 / Virus Database: 164 - Release Date: 11/24/2001

-----  
Date: Thu, 6 Dec 2001 09:31:58 -0500  
From: W2AGN <w2agn@pobox.com>  
To: qrp-1@lehigh.edu  
Subject: [114048] 160M Sprint  
Message-ID: <01120609315803.02224@njbirdman>  
Content-Type: text/plain;  
        charset="iso-8859-1"  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

Well, my ears are still ringing with QRN! (no ear wax here!) Found the antenna worked MUCH better with feeders tied together. I seemed to "get out" better than I could hear, even with the K2. (thereby disproving "resiprosity") If you called me, and I didn't get you, sorry. Seemed like many signals just in the noise.

Only 15 Qs in 5 SPCs. Kinda pathetic, but I would like to see this contest a regular. Maybe make it for any 4 hours you want, between 8PM local and 8AM local, on a given night. Those willing to get up at 4 AM will have a (deserved) advantage.

--

-----  
John L Sielke W2AGN  
w2agn@pobox.com  
<http://www.qsl.net/w2agn>  
-----

Date: Thu, 6 Dec 2001 09:37:03 -0500  
From: thomasr2@gdls.com  
To: qrp-l@lehigh.edu  
Subject: [114049] DCTL woes  
Message-ID: <0FB7615431.0F034C9C-0N85256B1A.004CF614@gdls.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

Hi Gang,

A couple of weeks ago I put together a DCTL for 40m using the formulas on the <http://marty.w.tripod.com/antennas.html> website. The antenna seemed to receive OK but I never seemed to be able to QSO with anybody I called. I'm using a SW+ 40. Finally, I did QSO with Mac, AF4PS across the state over in Odessa, FL and Mac gave me a 589. So, the antenna was working to some extent.

Later, I decided to go QRO on this antenna and loaded up my TS-680S to 100 watts on it. I called stations, called CQ, until I was blue in the face and never got a response, even at 100 watts! So, I decided to try another tack.

I cut 57.5 feet of 300 ohm twin lead, shorted the ends, attached more twin lead at a point 10 feet from one end as a feed line, and strung the thing through the trees in the back yard at about head level (and I'm short) so the whole antenna probably averages about five feet off the ground. My intent was to make this something like a windom but using a folded dipole technique with the TV twin lead. 65% off the center is supposed to give me around 300 ohms impedance, which wound up being pretty close to 10 feet from the end (but this rule of thumb is only true for an antenna 35 feet or more above ground).

I ran the feed line to the balanced input on my MFJ tuner and quickly tuned it to minimum SWR. I fired up the Kenwood and answered a CQ by Tom, KF5LC,

in Conroe, TX. He immediately came back to my call and gave me a 579 report in Conroe. Haven't had a chance to try the SW+40 on the "folded windom" yet, but already I believe that it works better than the DCTL.

I realize that the DCTL is only 1/8 wavelength and will be a compromise compared to a full half wave, but I just couldn't get it to work. This did inspire me, however, to order a new MFJ-259B antenna analyzer, so when that arrives I'm going to revisit the DCTL and try again. With the antenna analyzer I'll have a better idea of what is going on.

Just thought I'd share my experience with you all and invite your comments on the DCTL, if you're using/have used one, and also the "folded windom." I cut mine to 57.5 feet based on the assumption that twin lead has a .86 velocity factor. It really ought to work nicely once I get it up in the air... but as usual, YMMV.

73,

Ron N4RT

-----  
Date: Thu, 6 Dec 2001 06:40:04 -0800  
From: "Bill Jones" <kd7s@psnw.com>  
To: <oz2dkp@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114050] Re: Packaging a SW-40  
Message-ID: <007501c17e65\$4bce6a20\$4d8b6bd1@j3s0p2>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Kevin,

A trick I use often is to countersink the screws in the panels and then cover them with a computer-generated paper template onto which the control labels have been drawn.

=====  
Bill Jones -- KD7S -- <><  
Our job is to love others  
without stopping to inquire  
whether or not they are worthy  
=====

----- Original Message -----

From: "Kevin Philbin" <oz2dkp@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, December 05, 2001 8:58 PM  
Subject: Packaging a SW-40

> Dear expert builders;  
>  
> I have a completed sw-40 and a case that was used with the Norcal 40A.  
There  
> is plenty of room inside but the front and rear rectangular pieces (where  
> the volume, tuning, etc will go) have no support pieces. With the Norcal  
40A  
> the connectors/controls are all pc board mounted and i didn't realize how  
> slick an idea this was till now.  
>  
> The obvious answer is to use "L" brackets but if possible I would like a  
> "clean" front panel with only the volume and tuning knobs and no screw  
> heads.  
>  
> Any ideas?  
> Thanks!  
>  
> D.K. Philbin  
>  
>  
> -----  
> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>  
>

-----  
Date: Thu, 06 Dec 2001 10:04:33 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114051] Re: Loop Success  
Message-ID: <5.0.2.1.0.20011206095620.00ac7de0@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:49 AM 12/6/2001 -0500, Alex wrote:  
> Do you (or anyone else) perhaps have Ted Hart's book (The Loop), too?  
>  
> I was considering buying the book and it's now also offered as a freebie  
> when you subscribe to antennex.  
>  
> 73s,  
> --Alex

>

Thanks for the tip Alex. No I don't have the book .....just built 2 loops based on the QST article.

I'm curious what others think about the book.

73 Pete NV4V

-----  
Date: Thu, 06 Dec 2001 10:17:48 EST  
From: Macstein@aol.com  
To: <thomasr2@gdls.com>  
Cc: <qrp-1@lehigh.edu>  
Subject: [114052] Re: DCTL woes  
Message-ID: <9a.1e0ae69a.2940e61c@aol.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

In a message dated Thu, 6 Dec 2001 9:40:09 AM Eastern Standard Time, thomasr2@gdls.com writes:

snip

> A couple of weeks ago I put together a DCTL for 40m using the formulas on  
> the <http://marty.w.tripod.com/antennas.html> website. The antenna seemed to  
> receive OK but I never seemed to be able to QSO with anybody I called. I'm  
> using a SW+ 40. Finally, I did QSO with Mac, AF4PS across the state over  
> in Odessa, FL and Mac gave me a 589. So, the antenna was working to some  
> extent.

snip

Hi Ron! Yes, your sig was easy copy, but I will admit there were a bunch of sigs around us and the method that worked best for me was to open up the filter and rely on my head to concentrate on your tone, as oppod to tightening the filters. I was on the K2 at 3 watts.

Some folks know that my antenna situation is not ideal, so you deserve a congratulations for getting me in the log! One can count on me not being the strongest signal out there - grin. That QSO was on a sorta inverted VEE, half-sized G5RV, up only 10 feet at the apex! My low height might be a factor the ease of the close range contact. You deserve membership in the Flying Pigs! See <http://www.fpqrp.com/>

Keep experimenting and please continue to report your adventures to the list! I have a bunch of twinlead, so I'm anxious to hear about your folded windom!

-MAC-  
AF4PS

Odessa, FL

-----  
Date: Thu, 06 Dec 2001 09:25:41 -0600  
From: David Gauding <david.gauding@bbs.galilei.com>  
To: qrp-1@lehigh.edu  
Subject: [114053] 160M Contest  
Message-ID: <5.1.0.14.0.20011205222817.00a31060@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good morning,

Nice QRP gathering on Top Band last night for that sprint. Many QRO ops jumping right in there too.

Here is the log from NF0R. It reflects what might be expected on 160M with a simplified antenna and 5W. Along with some patience and skill operating at the other end! <g>

|        |    |    |
|--------|----|----|
| W0AV   | MO |    |
| AB5XP  | LA |    |
| NR8S   | MI |    |
| W5MX   | KY |    |
| WB8ZWW | OH |    |
| K4JMN  | KY |    |
| W0LK   | AR |    |
| KW4JS  | TN |    |
| N0UR   | MN |    |
| WS4S   | TN |    |
| KC30L  | KS |    |
| W8RU   | MI |    |
| N8MOJ  | MI |    |
| NX9Z   | WI |    |
| W5TM   | OK |    |
| WA5BDU | AR |    |
| AF40D  | AL |    |
| KC0CA  | IA |    |
| W7FG   | OK |    |
| AE5E   | TX |    |
| N9CIQ  |    | WI |
| AF5Z   | TX |    |
| K0FRP  | CO |    |
| N9NE   | WI |    |
| N1LN   | TX |    |
| W4DEC  | AL |    |
| KA1DDD | MI |    |

N0IT MO  
WA8BXN OH  
W9SE IL  
WT9U IN  
K5NZ TX  
W5TVW LA  
KF7MD CO

The vertical (sic) was 75' of WE6W-type computer ribbon cable feedline at 48' on a St. Louis Shaft and loaded against a cold water ground. The wires were shorted at the tuner and left open on top because that configuration seems to work well for me.

The log suggests that you really don't need much wire to get on the low bands, assuming DXing is not an overriding requirement.

Thanks very much for the contacts OM's. I went up to bed with ringing ears but had a real good time! <g>

Regards,

de Dave, NF0R      nf0r@slacc.com

-----  
Date: Thu, 06 Dec 2001 09:29:41 -0600  
From: David Gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu  
Subject: [114054] Re: QRPP has Construction Articles and Projects and More.  
(Long)  
Message-ID: <5.1.0.14.0.20011206092900.00a2b050@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Amen, Brother!

Please read the original KI6DS post if you haven't done so already.

Especially QRP folks who expect everything handed over on a platter at a time and place real convenient for them.....after they wake up! <g>

Go Doug!



de Dave, NFOR      nf0r@slacc.com

-----  
Date: Thu, 6 Dec 2001 11:03:04 -0500  
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [114055] Re: RS Simplex Repeater  
Message-ID: <E1F0152638DBD311AEF700D0B74455E23BFF73@exchange\_nh.allegromicro.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

I picked up one of those; I wasn't really pleased. It works by sensing the audio from the HT; it does not detect the carrier. So, it won't start recording until you start talking (a good thing), but will stop recording when you stop talking--and it turns around and starts transmitting what it recorded, even if you weren't finished! Pausing for a breath causes it to stop, and to transmit.

Shawn Upton, KB1CKT  
Product Development Engineer - Sensors  
Allegro MicroSystems, Inc  
Concord, NH  
603.228.5533 ext. 429

-----  
Date: Thu, 6 Dec 2001 08:05:53 -0500  
From: Tim O'Rourke <TORourke@KaiserFT.com>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [114056] Re: one-touch-tune  
Message-ID: <0514B74864ACD511934400508BBB5E3401E182@EMAIL1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

The One Touch for 817:

1. When activated it changes to PSK mode.
2. Drops Power to lowest level.
3. Tx phase shift "tone" as long as activated.
4. If you have the mods done to Z11 it performs an autotune.

Tim O'Rourke KG4CHX

-----  
Date: Thu, 6 Dec 2001 11:28:32 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <SUpton@ALLEGROMICRO.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [114057] Re: RS Simplex Repeater  
Message-ID: <001e01c17e73\$10d1ac80\$0600a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

As a totally 'external' unit, I don't see how it could work any other way.

Sure, you could try to run 'open squelch' and have it look for the absence of the 'white noise' but that's 'iffy' on the an HT after audio processing unless you have it do a spectral analysis. And you're not going to get that is a unit the size and price of that thing.

Now if it were interfaced to a radio that brought out a 'squelch' pin...

Mike

> I picked up one of those; I wasn't really pleased. It works by sensing the  
> audio from the HT; it does not detect the carrier. So, it won't start  
> recording until you start talking (a good thing), but will stop  
recording  
> when you stop talking--and it turns around and starts transmitting what  
it  
> recorded, even if you weren't finished! Pausing for a breath causes it  
to  
> stop, and to transmit.  
>  
> Shawn Upton, KB1CKT  
> Product Development Engineer - Sensors  
> Allegro MicroSystems, Inc  
> Concord, NH  
> 603.228.5533 ext. 429

-----  
Date: Thu, 06 Dec 2001 16:37:42 +0000  
From: Jack Bennett <J.Bennett@lboro.ac.uk>

To: qrp-1@lehigh.edu  
Subject: [114058] Re Ted Hart's Book.  
Message-ID: <3.0.6.32.20011206163742.007ebb90@staff-mailin.lboro.ac.uk>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Guys,

I do not own an original, but I do have a photocopy of sorts. The book was out of print when I was doing my research. Now that I know it is available, I will probably try and get a copy.

I can thoroughly recommend it as a definitive work with all the necessary information to both understand the principles and be able to construct loops of any size or frequency. All the formulae are contained within and it is written in an easy to read style. Go get it chaps!.

72,

Jack  
G3PVG

-----  
Date: Thu, 6 Dec 2001 10:40:01 -0600  
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>  
To: "'w5usj@globeco.net'" <w5usj@globeco.net>  
Cc: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [114059] Re: Poly Variables ??  
Message-ID: <E90EEF51A894D411963F0006298F2BF701D27B08@PRODMLIN04>  
MIME-Version: 1.0  
Content-Type: text/plain

Hi Chuck:

Mouser stopped carrying the dual 266 pf ones about 5 years ago. I believe that Scott G. of Emtech will sell you the caps alone. Roy G. located a source in Taiwan and bought a bunch of them, I bought some as well.

There may be some other sources for lower capacitance poly caps out there (e.g. Circuit Specialists) but Emtech is the only 'commercial' source that I'm aware of.

<http://emtech.steadynet.com/order.shtml>

Dual 266pf Poly-Cap (replacement part for ZM-2) We reserve the right to limit quantities \$4.50 ea

If Scott is no longer selling them, let me know.

73 de N9WR

-----  
Date: Thu, 6 Dec 2001 11:49:35 -0500  
From: "John Dorson" <jdorson@Worldshare.net>  
To: <plburbank@kih.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [114060] Re: Loop Success  
Message-ID: <002201c17e76\$007394e0\$fb97f4d1@atwork>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Pete I met Ted Hard a couple of years age here in the Melbourne area of Florida.

This my third loop and all worked great.

I meet with a group of hams at a park on the Indian River and we all use loop antennas of various sizes and designs. One fellow consistently works lots of DX. (he does run near 20 watts).

And you are right...Lots of fun both in building and using.

John K2JHU...

----- Original Message -----

From: "Pete Burbank" <plburbank@kih.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, December 06, 2001 1:56 AM  
Subject: Re: Loop Success

> At 07:48 PM 12/5/2001 -0600, Steve Yates - AA5TB wrote:

> >Hi John,

> >

> >Congratulations! The fun is just beginning.

> >

> >73,

> >Steve Yates - AA5TB

> >Fort Worth, TX - EM12gs

>

> Steve, John and gang,

> The loop is a really fun antenna. A great source of info is QST June 1986,  
> The article  
> is called "Small, High-Efficiency Loop Antennas" by Ted Hart W5QJR.  
> There are suggested diameters for various bands and info about capacitors.  
> (I'm sure Steve knows all this...HI!)  
> Just thought I would cite my favorite reference...:-) These things work  
> great but EVERYTHING has  
> to be done just right  
> 73 Pete NV4V  
> PS...you can get copies of QST articles from the ARRL  
>

-----  
Date: Thu, 06 Dec 2001 10:37:15 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: ki6ds@dospalos.org  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [114061] Re: QRPP has Construction Articles and Projects and More.  
(Long)  
Message-ID: <3C0F90AB.EA16B5C2@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Doug,

>  
> journals. Why don't guys go to QST? Well for one thing, they have a long  
> lead time. Second, there are writes, rewrites, corrections etc. It is time  
> consuming.  
>  
> It is much easier to write for QRPP, Homebrewer & Sprat, plus  
> usually you get to see your article in print sooner. (Note, I have  
> misplaced and screwed up a couple of articles in my time, not on purpose,  
> but I have done it.) No our articles are not scrutinized by professionals,  
> because we are amateurs.  
>

So, are you saying that the articles that appear in the club journals may have mistakes and bad information? I think this is a poor attitude. In fact club journals do have an editorial process, at least the ones that I have written for. To say it is time consuming is also spurious, if you are going to invest the time to write up a project, you want it to be the best you can do, it is a representation of you (and your club)!

>  
> I would also venture to say that more QRPers read the QRP journals than read  
> QST. My guess would be that about 1/2 of the members of this list belong  
> to the ARRL. So if you write a QRP construction article, maybe you want to  
> publish in a club journal instead of "settling" for QST. Grin.

>  
Right and wrong. While many QRPers are ARRL members, most ARRL members are not into QRP. Their interests are different. To see a monthly construction article that is devoted to QRP would take away space from something that they find more interesting. QST has addressed this situation, first with a monthly web column, and now a QRP column. I don't think they even run that monthly any more, an indication of the percentage of members who are interested in QRP as compared to other things, like maybe, Old Radios!

Doug, I know we have had our differences in the past. I am not knocking club publications. They fill a void and a need. I am only saying get your facts straight first. Both publication types have their place!

73

-----  
Date: Thu, 6 Dec 2001 09:43:45 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@lehigh.edu>  
Subject: [114062] Re: DCTL woes  
Message-ID: <MABBJOEABOILMKCJCLFCMEEMCOAA.n6wg@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ron

I have a DCTL that was built by W03B. It actually works fairly well. I built one myself, but fudged in a few places. I used 450 ohm line for lower losses. I tuned with a split stator capacitor to minimize losses there. And I fed it with a shielded pickup loop for easier adjustment. It seems to work pretty good so far. Unfortunately, my mechanical skills weren't so good, so it broke at one point. Think I'll rebuild it with the improvements I now see I need in the mechanical area. Good luck with yours.  
73, Bob N6WG

-----  
Date: Thu, 6 Dec 2001 14:02:21 -0500

From: Bill Coleman <aa4lr@arrl.net>  
To: <sjolin@swbell.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114063] Re: 160M QRP Times/Frequency?  
Message-ID: <20011206190331.RKYS27993.imf12bis.bellsouth.net@[192.168.0.21]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 12/4/01 2:03 PM, Dave Sjolin at sjolin@swbell.net wrote:

>Didnt the FCC just come out with something recently saying that ssb/AM  
>was restricted to above 1840 khz as part of "good practice"?

No.

The ARRL issued a new bandplan that recommends that SSB/AM be conducted above 1843 kHz.

This does not mean you cannot operate SSB and / or AM below 1843 kHz. However, doing so may cause interference with operators in other modes.

In cases of willful interference, the FCC has tends to side with those that follow the recommended bandplan.

As a rule of thumb, there's no good reason to operate SSB or AM below 1843 kHz for domestic QSOs. However, many countries in Region 1 or 3 do not have allocations above 1850 kHz. In that case, the best practice is to only answer DX stations on SSB/AM below 1843 kHz (no calling CQ), or to operate split frequency, calling above 1843 kHz and listening below 1850 kHz.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
-- Wilbur Wright, 1901

-----  
Date: Thu, 6 Dec 2001 13:18:57 -0600  
From: "Rob Matherly" <kc0bom@arrl.net>  
To: <flesnick@tbaytel.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114064] Re: Not QRP: Help with TS 820 Display  
Message-ID: <001201c17e8a\$e1640660\$be11a541@intern01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Here's what another guy had to say:

<---

I agree, a very common problem, but its not that difficult. Locate the shielded metal subassembly looking from the top front of the rig. It will be to the left rear of the display. Use colored felt tip pens to mark connector polarities, then remove the slide on connectors. Then turn the rig over, remove the connector on the bottom and four screws holding the shielded box to the chassis. Now with the subassembly on the bench, remove one of the PCBs from the center board. You will see the robust pins go through the board. Clean every pin and connector with a good cleaner such as chloroclean or if you don't like chemicals, try a good eraser or fiberglass burnishing tool. Take a good look at the PCB where the mounting screws go through. If the solder is black and flattened, wick off the excess to get a shiny ground pad. Poor grounds at PCB screw connections due to migration and oxide is a common Kenwood (and other rigs too) problem. Reassemble, then flip the unit over, remove the other PCB from this side and repeat the cleaning, etc. Then reassemble. Mount the shielded assembly back in the rig, replace the connectors, and you should get a nice display when you power up.

--->

72/73/oo

Rob, kc0bom

FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP #19

-----

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

----- Original Message -----

From: Fred Lesnick <flesnick@tbaytel.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Wednesday, December 05, 2001 5:55 PM

Subject: Not QRP: Help with TS 820 Display

Gang:

Sorry to take up some band width.

But a friend of mine gave me his Kenwood TS 820 to do some work on it for him (have had it apart before to do some cleaning ).

The problem is that his digital display quit on him.

I have checked the wires, cleaned all connections, and even went as far as changing the voltage regulator for the display, but NO JOY.

The manual that I have has no trouble shooting for the display, and a



shop manual as well does not tell me much.  
Wonder if anyone else has seen this problem, or would have any ideas.  
I just hope the display has not just burnt itself out, if so, how does  
one check that ?  
Thanks  
Fred  
VE3FAL

-----  
Date: Thu, 6 Dec 2001 18:13:08 -0000  
From: "Ted Williams" <ted@g0ull.fsnet.co.uk>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [114065] Karl Kanalz  
Message-ID: <005b01c17e8c\$4b049fc0\$0100000a@duon800>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Fellow listers:

Is Karl Kanalz still around, please?  
I've not seen a post for some time, and e-mails are returned.

72/3 Ted G0ULL

-----  
Date: Thu, 6 Dec 2001 14:11:40 -0500 (EST)  
From: Kelly Copley <n3hsy@repeater.net>  
To: qrp-l@lehigh.edu  
Subject: [114066] For sale MFJ 9040 & 9030  
Message-ID: <Pine.LNX.4.21.0112061410280.30944-1000000@m2.repeater.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey Boys,

Great stocking stuffers!!

MFJ 9040 with CW filter   \$150  
MFJ 9030 with CW filter   \$150

Both in great shape ... work FB. And I ship!!

Please reply to n3hsy@repeater.net

Tnx es 72 N3HSY

Kelly

-----  
Date: Thu, 06 Dec 2001 14:44:36 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [114067] New Toy! Patcomm PC-9000  
Message-ID: <3.0.6.32.20011206144436.00798750@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

HI Gang,

The Postman brought me a new toy this morning, a Patcomm PC-9000!

The sale price of \$575 was to hard to resist, especially after I counted all the loose change I've been saving for the last 2 years for something like this and found I had over \$400, some 30+ pounds of \*spare\* change<g>

The PC-9000 is a medium sized rig, 8 1/2" wide, 3" tall and 10" deep (including the heat sink pertrusion), about the size of a Scout or K2, more or less. I'd call it a small rig, but our concept of a \*small\* rig has changed in the last few years!

It covers 160 to 6 Meters, does CW/SSB and FM with the now free FM addaptor board included. (Also comes with a hand mic) Power is selectable 5 or 40W (18W on 6) It has some interesting features, like built in CW keyboard interface, PSK-31 ready (you need to buy a cable or make one to plug into the mic socket) and of course, built in iambic keyer. Also has a variable BW Audio SCAF, from 3 KHz to 300 Hz, RIT and Split operation, fast/slow AGC select. Back lighted 2x16 LCD display. Built in tilt stand.

Of course, the first thing I did when after it came out of the box was pop the hood and look inside. It's built pretty well, with several SMT intensive plug in boards. Although everything sorta plugs into each other, they don't look real easy to remove and since it's SMT intensive, trouble shooting and repair could be a challange. But that's typical of new radios today anyway. I was disapointed they didn't send a schematic with the rig, but I guess that's typical today too. I couldn't find thier DDS chip and would have liked to known what they used. It's a single coverision radio,

10.7 MHz IF, has a diode mixer front end, uses a lot of MMIC's. Rx current is hefty, about 1.5 Amps.

On the plus side, the radio is easy to use. I didn't need to look at the instructions first to figure everything out. I like digital tuning and the tuning knob has a good feel. The rig remembers the freq/mode you were using on each band and powers up where you turned it off.

There are a number of negatives though. There are actually quite a number of birdies on all the bands, some quite strong. The built in speaker has a nasty resonance at about 200 Hz, which can be annoying, might have to use an external speaker on this rig. The Variable SCAF works good, but seems to be a low pass filter, so at it's lowest setting, you lose a lot of audio on a CW signal. To peak it you have to tune down the note and that puts it near the nasty rattle freq of the internal speaker. Also, it seems the S-meter responds to audio level, so as you narrow the SCAF, the S meter is less responsive. I prefer using a straight key over a paddle, and the lack of a straight key input was disappointing. You have to wire a straight key into the PTT on the mic jack. I might have to drill a hole in the cover and put a key jack there. Lastly, it would have been nice if the power output was continuously variable, instead of a high/low button. However, there are internal trimmers for setting the power level, so I will probably set the high power level to more like 20 watts than 40. Most of these points are nitpicking.

All in all the PC-9000 is a decent little radio, especially at the sale price. It sounds good provided you stay away from the speaker resonance freq. I'm sure once I use the rig for awhile, I'll grow to really like it.

Apparently, Patcomm is closeing out this rig, to be replaced by something new next year. From what I gather, the sale price will be good until thier stock on the 9000 is gone. All in all, it's a steal at that price.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountians of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Thu, 6 Dec 2001 15:10:20 -0500  
From: W2AGN <w2agn@pobox.com>  
To: Steven Weber <kd1jv@moose.ncia.net>,  
"Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>  
Subject: [114068] Re: New Toy! Patcomm PC-9000  
Message-ID: <01120615102006.02224@njbirdman>

Content-Type: text/plain;  
charset="iso-8859-1"  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

On Thursday 06 December 2001 14:44, Steven Weber wrote:

> HI Gang,  
>  
> The Postman brought me a new toy this morning, a Patcomm PC-9000!  
  
> All in all the PC-9000 is a decent little radio, especially at the sale  
> price. It sounds good provided you stay away from the speaker resonance  
> freq. I'm sure once I use the rig for awhile, I'll grow to really like it.  
>  
--

I got one from a Ham Store that was closing up (owner retiring) , a few months ago. I share Steve's opinion, except I didn't notice the speaker problem with mine. If I did, I would use the same fix as for the K2, and put some washers under the speaker mounting screws. What I liked is that the SCAF is BEFORE the AGC, which helps cut down on pumping. The receiver is MUCH nicer than the SG-2020, for example. I used it from the lighthouses for International Lighthouse Weekend, and it worked well. A good choice for those wanting a low cost, versatile rig, and don't want to build (as weird as those people may be ;-)

-----  
John L Sielke W2AGN  
w2agn@pobox.com  
<http://www.qsl.net/w2agn>  
-----

Date: Thu, 06 Dec 2001 15:33:33 -0500  
From: n7dma@mindspring.com  
To: qrp-l@lehigh.edu  
Subject: [114069] SW-20  
Message-ID: <Springmail.105.1007670813.0.04742400@www.springmail.com>

A few weeks ago I built an SW-20+, and really enjoy playing with it. I just put the RIT kit into it, and now the tuning range is reduced. Before the mod, it tuned from 14.028 - 14.061 MHz, and now it tunes from 14.028 - 14.045 MHz. The RIT functions as it should.

At first I thought I knocked something loose, so I removed the mod, and the tuning was back to where it was originally. Put the mod back, and tuning is reduced. I understand how the tuning works on the SW-20, and how the RIT works. It seems that the RIT has changed the voltage divider function of the tuning resistor.

Any ideas?

Thanks,  
Karl  
N7DMA  
n7dma@mindspring.com

-----  
Date: Thu, 6 Dec 2001 15:33:47 -0800  
From: "Dave Benson" <nn1g@earthlink.net>  
To: <n7dma@mindspring.com>  
Cc: <qrp-1@lehigh.edu>  
Subject: [114070] Re: SW-20  
Message-ID: <000601c17eae\$74df8720\$4153d03f@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Karl-

It's described in the RIT instructions- please see the last paragraph of  
page 1 . :-)

73- Dave, K1SWL

-----Original Message-----

From: n7dma@mindspring.com <n7dma@mindspring.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Thursday, December 06, 2001 12:34 PM  
Subject: SW-20

A few weeks ago I built an SW-20+, and really enjoy playing with it. I just  
put the RIT kit into it, and now the tuning range is reduced. Before the  
mod, it tuned from 14.028 - 14.061 MHz, and now it tunes from 14.028 -  
14.045 MHz. The RIT functions as it should.

At first I thought I knocked something loose, so I removed the mod, and the  
tuning was back to where it was originally. Put the mod back, and tuning is  
reduced. I understand how the tuning works on the SW-20, and how the RIT  
works. It seems that the RIT has changed the voltage divider function of the  
tuning resistor.

Any ideas?

Thanks,  
Karl  
N7DMA

n7dma@mindspring.com

-----  
Date: Thu, 6 Dec 2001 14:03:58 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <thomasr2@gdls.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114071] Re: DCTL woes  
Message-ID: <Pine.LNX.4.33.0112061352570.1181-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

There are a lot of short antenna designs and depending how short compared to a wavelength, they have reduced performance when compared to a full half wave dipole. Beside being very narrow bandwidth for a good feedline SWR, short antenna don't couple to the world as well.

Example. I have a Hamstik for 40 meters that I adjusted to 7.100 MHz with my MFJ Antenna Analyser and that's where the antenna has only resistance and that is about 5 ohms. Quickly above or below 7.100 it is inductive above and capacitive below, but still useable at 7040. I have run several tests over 250 mile paths and switched from the Hamstik to my 80 meter inverted V. Everyone agrees the Hamstik is 10 DB lower signal.

I suggest you work with your folded dipole windom fed and you will have success with it because it's long, compared to a wavelength. Try to get it around 20 feet high.

On Thu, 6 Dec 2001 thomasr2@gdls.com wrote:

>  
> Hi Gang,  
>  
> A couple of weeks ago I put together a DCTL for 40m using the formulas on  
> the <http://marty.w.tripod.com/antennas.html> website. The antenna seemed to  
> receive OK but I never seemed to be able to QSO with anybody I called. I'm  
> using a SW+ 40. Finally, I did QSO with Mac, AF4PS across the state over  
> in Odessa, FL and Mac gave me a 589. So, the antenna was working to some  
> extent.  
>  
> Later, I decided to go QRO on this antenna and loaded up my TS-680S to 100  
> watts on it. I called stations, called CQ, until I was blue in the face  
> and never got a response, even at 100 watts! So, I decided to try another  
> tack.

>  
> I cut 57.5 feet of 300 ohm twin lead, shorted the ends, attached more twin  
> lead at a point 10 feet from one end as a feed line, and strung the thing  
> through the trees in the back yard at about head level (and I'm short) so  
> the whole antenna probably averages about five feet off the ground. My  
> intent was to make this something like a windom but using a folded dipole  
> technique with the TV twin lead. 65% off the center is supposed to give me  
> around 300 ohms impedance, which wound up being pretty close to 10 feet  
> from the end (but this rule of thumb is only true for an antenna 35 feet or  
> more above ground).  
>  
> I ran the feed line to the balanced input on my MFJ tuner and quickly tuned  
> it to minimum SWR. I fired up the Kenwood and answered a CQ by Tom, KF5LC,  
> in Conroe, TX. He immediately came back to my call and gave me a 579  
> report in Conroe. Haven't had a chance to try the SW+40 on the "folded  
> windom" yet, but already I believe that it works better than the DCTL.  
>  
> I realize that the DCTL is only 1/8 wavelength and will be a compromise  
> compared to a full half wave, but I just couldn't get it to work. This did  
> inspire me, however, to order a new MFJ-259B antenna analyzer, so when that  
> arrives I'm going to revisit the DCTL and try again. With the antenna  
> analyzer I'll have a better idea of what is going on.  
>  
> Just thought I'd share my experience with you all and invite your comments  
> on the DCTL, if you're using/have used one, and also the "folded windom."  
> I cut mine to 57.5 feet based on the assumption that twin lead has a .86  
> velocity factor. It really ought to work nicely once I get it up in the  
> air... but as usual, YMMV.  
>  
> 73,  
>  
> Ron N4RT  
>  
>  
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
http://www.zianet.com/k5di/

-----  
Date: Thu, 06 Dec 2001 16:13:39 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: k5di@zianet.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [114072] Re: DCTL woes  
Message-ID: <3C0FDF83.2A901A9D@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Karl is absolutely right, short antennas have greater loss than full sized antennas. That is why I suggest you don't try to shorten them much more than 1/2 full size. BUT, they work a whole lot better than NO antenna; even 10 dB loss is better than infinite!

73

-----  
Date: 6 Dec 2001 16:30:56 EST  
From: Lee Wilson <leesgoofy@usa.net>  
To: Low power amateur radio discussion <Qrp-1@Lehigh.edu>  
Subject: [114073] power supply  
Message-ID: <20011206213056.20836.qmail@cpdv100.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

looking for a schematic diagram for a 12v power supply =  
for use with qrp rigs.

Thanks

Lee Wilson  
AC7KT

-----  
Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

-----  
Date: Thu, 6 Dec 2001 16:48:57 -0500  
From: "w8diz" <w8diz@fpqrp.com>  
To: <leesgoofy@usa.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114074] Re: power supply



Message-ID: <002901c17e9f\$cf3177b0\$39d81b41@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Here is a schematic that keeps a battery charged at the same time.  
If you do not have a battery, then remove the 5 ohm resistor and  
adjust the pot for a 13.8 volt output.

<http://www.fpqrp.com/pigg20/MPIX/ps.gif>

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W  
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26  
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----

From: "Lee Wilson" <leesgoofy@usa.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, December 06, 2001 4:30 PM  
Subject: power supply

looking for a schematic diagram for a 12v power supply  
for use with qrp rigs.

Thanks

Lee Wilson  
AC7KT

---

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=1>

-----  
Date: Thu, 6 Dec 2001 13:49:30 -0800  
From: "blinn" <blinn@smgazette.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [114075] [Elmer 101] Power supply (part 2)  
Message-ID: <007501c17e9f\$e3e637e0\$7669f040@blinn>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>

>

"Also, variations on the input do appear at the output, although greatly attenuated. The spec is 48dB at 120Hz (full wave rectified line ripple). "

"The power supply rejection ratio is in units of power, so the power is reduced by 48 db. This corresponds to a 4 mV change in voltage. This is one of those famous 'db voltage' vs. 'db power' problems.

$10^{(-48/20)} = 0.004$  "

>

>

Can someone explain the math? I know the manipulation to arrive at 0.004 but don't understand where the value of 20 comes from in the exponent part of the equation? So... does this mean that on the output side of the regulator it is possible for the voltage to fluctuate up to 4 mV?

Thanks - Bill WA7TQK

PS: Now that I've written this I'm thinking that I could probably pursue the clue, "famous 'db voltage' vs. 'db Power' problems," in the handbook... but, I'll post it anyway.

(Bruce, please restrain yourself and let someone else have this one. Thanks)

--

-----

Date: Thu, 06 Dec 2001 17:04:01 -0500  
From: "John O. Newell" <jnewell@mediaone.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114076] Re: one-touch-tune  
Message-ID: <3C0FEB51.F53E8C7D@mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> It really is sweet, and W4RT Electronics is very  
> much a pleasure to do business with.

Strongly agree on both points.

72  
John Newell  
KB1FPM

-----  
Date: Thu, 06 Dec 2001 17:05:29 -0500  
From: "John O. Newell" <jnewell@mediaone.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [114077] Re: QRP Quarterly Journal  
Message-ID: <3C0FEBA9.91ACDE2F@mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> As usual, a  
> masterpiece.

My first issue arrived earlier this week. An outstanding  
collection of articles and info. Many tnx to the editor(s)  
and contributors.

72  
John Newell  
KB1FPM

-----  
Date: Thu, 06 Dec 2001 14:06:29 -0800  
From: "yongkch Ku Cho" <yongkch@msn.com>  
To: qrp-l@Lehigh.EDU  
Subject: [114078] help  
Message-ID: <F19M5sGmhZ26yJKs8TA00010186@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

-----  
Date: Thu, 6 Dec 2001 17:10:37 -0500  
From: "Nick Yokanovich" <k3ny@cablespeed.com>  
To: <dave@redhotradio.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114079] Re: NC20 ----> NC40  
Message-ID: <026401c17ea2\$d6491500\$8f00a8c0@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dave,  
Fantastic! One NC40 coming up!  
I'll get the address from your web page and send for the AFA  
I will need, as I have one of the original NC20 kits.  
72/73, Nick K3NY Arnold, MD  
The doctor is in.

----- Original Message -----  
From: "Dave Fifield" <dave@redhotradio.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, December 06, 2001 01:28  
Subject: Re: NC20 ----> NC40

> You'll need to add an '1' on the end of the URL:  
>  
> [http://www.redhotradio.com/NC20\\_2\\_RH40.html](http://www.redhotradio.com/NC20_2_RH40.html)  
>  
> Cheers,  
> Dave F.  
> AD6A  
>

-----  
Date: Wed, 05 Dec 2001 23:38:04 -0600  
From: Melvin Best <n5qw@parksbros.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114080] Re: Cheap Verticle  
Message-ID: <3C0F043C.930C0E63@parksbros.com>  
MIME-version: 1.0

Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

I have used one for about three to four years. I had used an old telescoping TV mast before that. I put a cap on a short piece of 3/4 pvc, stuck it into the ground next to a ground rod, put out 16 radials from about 5 foot to 66 feet, buried 8 more. I then put 2 - 10 foot sections and 1- 4 foot section together with the cheap connectors, started walking it up, connector broke, replaced it, walked and picked straight up, dropped into pipe, screwed conduct to pipe with metal screws. I used some trot line cord for guy rope, tied it down at each connector. The antenna works good on 30 and 12 meters, have worked DX with it. In those 3-4 years it has fell every year, sometimes twice in a year, ice, wind, grand kids. The neighbor has even mowed the radials on top of the ground. Works on 40 with a tuner, I keep adding radials and the last time I put it up I used some metal trim to brace the joints. The next one I mess with will probably be pvc pipe with a cooper wire run inside. Twenty four feet is about as high as I can go to stay out of over head power lines.

It may work and it may not, it does not hurt to try different ideas, I loaded 160 meters into a 3 element beam, pole and all, used a 35 foot ladder for a counter poise, worked couple stations before I blew band switch on tuner, so have fun, but don't get hurt or ruin equipment.

de Mel

-----  
Date: Thu, 06 Dec 2001 14:25:32 -0800  
From: Russ Carpenter <russ@natworld.com>  
To: QRP-L List <qrp-l@lehigh.edu>  
Subject: [114081] Results of the DECEMBER SPARTAN SPRINT  
Message-ID: <B835305B.B38C%russ@natworld.com>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Monday's Spartan Sprint proved the Winter is the propagation king. The December Sprinters had a great time launching their tiny signals into friendly skies. Take a look at the amazing accomplishments of those one pound radio stations!

All contracts received one point. If you didn't tell us the weight of your station, or if it weighed more than Santa Claus, then we assigned a weight of 30 pounds.

The Soapbox was published separately in the December issue of The ARS

Sojourner, which went live today. Don't miss it! <http://www.natworld.com/ars>

NEXT MONTH, THE SPARTAN SPRINT WILL INCLUDE DOUBLE POINTS FOR 80 METER CONTACTS. 80 METERS IS A WONDERFUL BAND DURING THE WINTER. GIVE IT A TRY.

THE SKINNY DIVISION (results sorted in order of points per pound)

| Call   | Name    | 80m | 40m | 20m | 15m | 10m | Total<br>Points | Wt.   | Points/<br>Pound |
|--------|---------|-----|-----|-----|-----|-----|-----------------|-------|------------------|
| N7RVD  | Brian   | 0   | 0   | 30  | 0   | 0   | 30              | .37   | 81.08            |
| K7TQ   | Randy   | 0   | 0   | 56  | 0   | 0   | 56              | 1.06  | 52.83            |
| K0EVZ  | Doc     | 0   | 0   | 51  | 0   | 0   | 51              | 1.01  | 50.50            |
| N0SXX  | Gary    | 0   | 0   | 47  | 0   | 0   | 47              | 1.44  | 32.64            |
| K9DC   | Dave    | 0   | 37  | 10  | 0   | 0   | 47              | 2     | 23.50            |
| N3AO   | Carter  | 0   | 33  | 15  | 0   | 0   | 48              | 2.5   | 19.20            |
| N9JXY  | Denny   | 0   | 0   | 13  | 0   | 0   | 13              | .75   | 17.33            |
| W0CH   | David   | 0   | 0   | 19  | 0   | 0   | 19              | 1.12  | 16.96            |
| AE6N   | Jim     | 0   | 22  | 13  | 0   | 0   | 35              | 2.1   | 16.67            |
| WY1W   | Butch   | 0   | 46  | 10  | 0   | 0   | 56              | 3.7   | 15.14            |
| N0RC   | Rod     | 0   | 19  | 11  | 0   | 0   | 30              | 2     | 15.00            |
| W1PID  | Jim     | 0   | 17  | 0   | 0   | 0   | 17              | 1.2   | 14.17            |
| WA7LNW | Jack    | 3   | 14  | 30  | 0   | 0   | 47              | 4.7   | 10.00            |
| KB9LCK | Chris   | 0   | 13  | 1   | 0   | 0   | 14              | 1.8   | 7.78             |
| WA8BXN | Mike    | 0   | 0   | 9   | 0   | 0   | 9               | 1.3   | 6.92             |
| KH6B   | Dean    | 0   | 5   | 20  | 5   | 0   | 30              | 4.5   | 6.67             |
| N4HAY  | Richard | 0   | 9   | 28  | 0   | 0   | 37              | 6     | 6.17             |
| K4FB   | Paul    | 0   | 21  | 13  | 0   | 0   | 34              | 6     | 5.67             |
| VE3FAL | Fred    | 0   | 15  | 10  | 0   | 0   | 25              | 4.5   | 5.56             |
| WD7Y   | Ed      | 0   | 30  | 8   | 0   | 0   | 38              | 7.03  | 5.41             |
| K0BFT  | Jim     | 0   | 9   | 11  | 0   | 0   | 20              | 4     | 5.00             |
| AD6YU  | Loren   | 0   | 0   | 4   | 0   | 0   | 4               | .82   | 4.88             |
| VE3JC  | John    | 0   | 9   | 13  | 0   | 0   | 22              | 5     | 4.40             |
| KQ6NO  | Rick    | 0   | 7   | 0   | 0   | 0   | 7               | 1.6   | 4.38             |
| WB6BWZ | Matt    | 0   | 11  | 0   | 0   | 0   | 11              | 2.7   | 4.07             |
| KF0N   | Larry   | 0   | 18  | 6   | 0   | 0   | 24              | 6     | 4.00             |
| W0UFO  | Mert    | 0   | 23  | 28  | 0   | 0   | 51              | 15    | 3.40             |
| KW4JS  | John    | 1   | 10  | 12  | 0   | 0   | 23              | 7     | 3.29             |
| N0IBT  | Dave    | 0   | 7   | 13  | 0   | 0   | 20              | 6.5   | 3.08             |
| NC9O   | Skip    | 0   | 11  | 7   | 0   | 0   | 18              | 6     | 3.00             |
| NU3N   | Charlie | 0   | 14  | 0   | 0   | 0   | 14              | 5     | 2.80             |
| WA9TZE | Jim     | 16  | 41  | 21  | 0   | 0   | 78              | 30    | 2.60             |
| AF4PP  | Chuck   | 0   | 0   | 5   | 0   | 0   | 5               | 2     | 2.50             |
| N7DMA  | Karl    | 0   | 1   | 10  | 0   | 0   | 11              | 4.4   | 2.50             |
| K4KJP  | Terry   | 0   | 0   | 11  | 0   | 0   | 11              | 4.5   | 2.44             |
| KG4FXG | Bill    | 0   | 22  | 3   | 0   | 0   | 25              | 10.66 | 2.35             |
| N7LT   | Lyndel  | 0   | 22  | 42  | 0   | 0   | 64              | 30    | 2.13             |
| KD5LX  | Bob     | 0   | 12  | 12  | 0   | 0   | 24              | 11.4  | 2.11             |

|         |        |   |    |    |   |   |    |      |      |
|---------|--------|---|----|----|---|---|----|------|------|
| K7RE    | Brian  | 0 | 18 | 42 | 0 | 0 | 60 | 30   | 2.00 |
| W0PWE   | Jerry  | 1 | 52 | 6  | 0 | 0 | 59 | 30   | 1.97 |
| N2XE    | John   | 0 | 3  | 4  | 0 | 0 | 7  | 4    | 1.75 |
| W0AEN   | Bill   | 0 | 0  | 6  | 0 | 0 | 6  | 3.5  | 1.71 |
| N2CX    | Joe    | 2 | 13 | 2  | 0 | 0 | 17 | 10   | 1.70 |
| KG8GW   | Ron    | 3 | 42 | 3  | 0 | 0 | 48 | 30   | 1.60 |
| KD7GIM  | Dave   | 0 | 5  | 10 | 0 | 0 | 15 | 10.5 | 1.43 |
| KC0GXX  | TC     | 0 | 7  | 0  | 0 | 0 | 7  | 5    | 1.40 |
| WD0DDU  | Layne  | 0 | 0  | 3  | 0 | 0 | 3  | 2.3  | 1.30 |
| K8CV    | Walt   | 0 | 39 | 0  | 0 | 0 | 39 | 30   | 1.30 |
| AB6QR   | Dennis | 0 | 3  | 20 | 0 | 0 | 23 | 18   | 1.28 |
| K06Z    | Herb   | 0 | 5  | 0  | 0 | 0 | 5  | 4.2  | 1.19 |
| K6PZB   | John   | 2 | 13 | 15 | 4 | 0 | 34 | 30   | 1.13 |
| KJ5VW/7 | Gary   | 0 | 0  | 5  | 0 | 0 | 5  | 5    | 1.00 |
| K4BX    | Bill   | 0 | 21 | 8  | 0 | 0 | 29 | 30   | 0.97 |
| WA4CIT  | Randy  | 0 | 7  | 7  | 0 | 0 | 14 | 15.5 | 0.90 |
| W7PUA   | Bob    | 2 | 5  | 12 | 4 | 0 | 23 | 30   | 0.77 |
| VE3XT   | Bill   | 0 | 20 | 0  | 0 | 0 | 20 | 30   | 0.67 |
| NG8S    | Marie  | 0 | 6  | 7  | 0 | 0 | 13 | 20   | 0.65 |
| K8KFJ   | Garie  | 0 | 18 | 0  | 0 | 0 | 18 | 30   | 0.60 |
| NQ7X    | Floyd  | 0 | 7  | 10 | 0 | 0 | 17 | 30   | 0.57 |
| VE6QSL  | John   | 0 | 1  | 15 | 0 | 0 | 16 | 30   | 0.53 |
| W3ZMN   | Conrad | 0 | 4  | 0  | 0 | 0 | 4  | 7.8  | 0.51 |
| KI0II   | Ron    | 0 | 4  | 7  | 0 | 0 | 11 | 30   | 0.37 |
| WR50    | Dave   | 0 | 6  | 2  | 0 | 0 | 8  | 30   | 0.27 |
| W7WIK   | Marco  | 0 | 3  | 3  | 0 | 0 | 6  | 30   | 0.20 |
| WF6D    | Bill   | 0 | 3  | 0  | 0 | 0 | 3  | 30   | 0.10 |
| N1SB    | Steve  | 0 | 1  | 0  | 0 | 0 | 1  | 30   | 0.03 |

THE TUBBY DIVISION (results sorted in order of points)

| Call   | Name   | 80m | 40m | 20m | 15m | 10m | Total<br>Points |
|--------|--------|-----|-----|-----|-----|-----|-----------------|
| WA9TZE | Jim    | 16  | 41  | 21  | 0   | 0   | 78              |
| N7LT   | Lyndel | 0   | 22  | 42  | 0   | 0   | 64              |
| K7RE   | Brian  | 0   | 18  | 42  | 0   | 0   | 60              |
| W0PWE  | Jerry  | 1   | 52  | 6   | 0   | 0   | 59              |
| K7TQ   | Randy  | 0   | 0   | 56  | 0   | 0   | 56              |
| WY1W   | Butch  | 0   | 46  | 10  | 0   | 0   | 56              |
| W0UFO  | Mert   | 0   | 23  | 28  | 0   | 0   | 51              |
| K0EVZ  | Doc    | 0   | 0   | 51  | 0   | 0   | 51              |
| KG8GW  | Ron    | 3   | 42  | 3   | 0   | 0   | 48              |
| N3AO   | Carter | 0   | 33  | 15  | 0   | 0   | 48              |
| K9DC   | Dave   | 0   | 37  | 10  | 0   | 0   | 47              |
| N0SXX  | Gary   | 0   | 0   | 47  | 0   | 0   | 47              |
| WA7LNW | Jack   | 3   | 14  | 30  | 0   | 0   | 47              |
| K8CV   | Walt   | 0   | 39  | 0   | 0   | 0   | 39              |

|         |         |   |    |    |   |   |    |
|---------|---------|---|----|----|---|---|----|
| WD7Y    | Ed      | 0 | 30 | 8  | 0 | 0 | 38 |
| N4HAY   | Richard | 0 | 9  | 28 | 0 | 0 | 37 |
| AE6N    | Jim     | 0 | 22 | 13 | 0 | 0 | 35 |
| K6PZB   | John    | 2 | 13 | 15 | 4 | 0 | 34 |
| K4FB    | Paul    | 0 | 21 | 13 | 0 | 0 | 34 |
| N0RC    | Rod     | 0 | 19 | 11 | 0 | 0 | 30 |
| N7RVD   | Brian   | 0 | 0  | 30 | 0 | 0 | 30 |
| KH6B    | Dean    | 0 | 5  | 20 | 5 | 0 | 30 |
| K4BX    | Bill    | 0 | 21 | 8  | 0 | 0 | 29 |
| KG4FXG  | Bill    | 0 | 22 | 3  | 0 | 0 | 25 |
| VE3FAL  | Fred    | 0 | 15 | 10 | 0 | 0 | 25 |
| KD5LX   | Bob     | 0 | 12 | 12 | 0 | 0 | 24 |
| KF0N    | Larry   | 0 | 18 | 6  | 0 | 0 | 24 |
| KW4JS   | John    | 1 | 10 | 12 | 0 | 0 | 23 |
| W7PUA   | Bob     | 2 | 5  | 12 | 4 | 0 | 23 |
| AB6QR   | Dennis  | 0 | 3  | 20 | 0 | 0 | 23 |
| VE3JC   | John    | 0 | 9  | 13 | 0 | 0 | 22 |
| N0IBT   | Dave    | 0 | 7  | 13 | 0 | 0 | 20 |
| VE3XT   | Bill    | 0 | 20 | 0  | 0 | 0 | 20 |
| K0BFT   | Jim     | 0 | 9  | 11 | 0 | 0 | 20 |
| W0CH    | David   | 0 | 0  | 19 | 0 | 0 | 19 |
| NC90    | Skip    | 0 | 11 | 7  | 0 | 0 | 18 |
| K8KFJ   | Garie   | 0 | 18 | 0  | 0 | 0 | 18 |
| NQ7X    | Floyd   | 0 | 7  | 10 | 0 | 0 | 17 |
| W1PID   | Jim     | 0 | 17 | 0  | 0 | 0 | 17 |
| N2CX    | Joe     | 2 | 13 | 2  | 0 | 0 | 17 |
| VE6QSL  | John    | 0 | 1  | 15 | 0 | 0 | 16 |
| KD7GIM  | Dave    | 0 | 5  | 10 | 0 | 0 | 15 |
| NU3N    | Charlie | 0 | 14 | 0  | 0 | 0 | 14 |
| KB9LCK  | Chris   | 0 | 13 | 1  | 0 | 0 | 14 |
| WA4CIT  | Randy   | 0 | 7  | 7  | 0 | 0 | 14 |
| N9JXY   | Denny   | 0 | 0  | 13 | 0 | 0 | 13 |
| NG8S    | Marie   | 0 | 6  | 7  | 0 | 0 | 13 |
| WB6BWZ  | Matt    | 0 | 11 | 0  | 0 | 0 | 11 |
| N7DMA   | Karl    | 0 | 1  | 10 | 0 | 0 | 11 |
| KI0II   | Ron     | 0 | 4  | 7  | 0 | 0 | 11 |
| K4KJP   | Terry   | 0 | 0  | 11 | 0 | 0 | 11 |
| WA8BXN  | Mike    | 0 | 0  | 9  | 0 | 0 | 9  |
| WR50    | Dave    | 0 | 6  | 2  | 0 | 0 | 8  |
| KC0GXX  | TC      | 0 | 7  | 0  | 0 | 0 | 7  |
| N2XE    | John    | 0 | 3  | 4  | 0 | 0 | 7  |
| KQ6NO   | Rick    | 0 | 7  | 0  | 0 | 0 | 7  |
| W7WIK   | Marco   | 0 | 3  | 3  | 0 | 0 | 6  |
| W0AEN   | Bill    | 0 | 0  | 6  | 0 | 0 | 6  |
| KJ5VW/7 | Gary    | 0 | 0  | 5  | 0 | 0 | 5  |
| AF4PP   | Chuck   | 0 | 0  | 5  | 0 | 0 | 5  |
| K06Z    | Herb    | 0 | 5  | 0  | 0 | 0 | 5  |
| W3ZMN   | Conrad  | 0 | 4  | 0  | 0 | 0 | 4  |



|        |       |   |   |   |   |   |   |
|--------|-------|---|---|---|---|---|---|
| AD6YU  | Loren | 0 | 0 | 4 | 0 | 0 | 4 |
| WF6D   | Bill  | 0 | 3 | 0 | 0 | 0 | 3 |
| WD0DDU | Layne | 0 | 0 | 3 | 0 | 0 | 3 |
| N1SB   | Steve | 0 | 1 | 0 | 0 | 0 | 1 |

\*\*\*\*

Thanks for supporting The Adventure Radio Society.

Russ Carpenter, AA7QU  
Contest Manager

-----

Date: Thu, 6 Dec 2001 23:02:51 +0000 (UTC)  
From: Joe Reed <joe@n9jr.dyndns.org>  
To: Bruce Muscolino <w6toy@erols.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114082] Re: DCTL woes  
Message-ID: <Pine.LNX.4.33.0112062254490.19790-1000000@n9jr.dyndns.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bruce, you need to qualify that statement. Given your long memory, I'm sure you remember that efficiency in verticals is a matter of reducing ground losses. A shortened vertical with a good radial field will outperform a 1/4 wave vertical with a poor radial system.

This has been proved time and again. When you start to make comparisons you must be sure you are comparing apples to apples.

Dr. Jerry Sevick did a number of experiments, and in fact published those findings in QST if you recall.

Joe N9JR

On Thu, 6 Dec 2001, Bruce Muscolino wrote:

> Karl is absolutely right, short antennas have greater loss than full  
> sized antennas. That is why I suggest you don't try to shorten them  
> much more than 1/2 full size. BUT, they work a whole lot better than NO  
> antenna; even 10 dB loss is better than infinite!  
>  
> 73  
>

-----  
Date: Thu, 6 Dec 2001 23:25:57 -0000  
From: "Thom Durfee WI8W" <wi8w@arrl.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [114083] AT&T Broadband back online  
Message-ID: <004f01c17ead\$5c9cb3a0\$6401a8c0@attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My cable internet service returned yesterday evening.

My arrl.net email address was not working during that time, but is now back online. If you emailed me about any of the awards offered by QRP/ARCI since last Thursday, those emails were lost and please submit them again to wi8w@arrl.net

Rumor has it that they cut the speed to all cable internet subscribers with AT&T to 1.5 meg/sec which is 1/5 of what I was getting before the change. I also hear that I may be paying more for less bandwidth. That is the American way I guess, pay more, get less.

Anyway it is good to be back on the list.

73

Thom Durfee WI8W  
Awards Manager QRP/ARCI

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Date: Thu, 06 Dec 2001 18:44:24 -0500  
From: "John P. Cummins, Sr." <jpcummins@charter.net>  
To: noga <nogaqrp@qth.net>, qrp-1 <qrp-1@lehigh.edu>  
Subject: [114084] Pickett, AD4S email  
Message-ID: <3C1002D8.D7D24251@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If you sent me email at charter.net I can't get to it for a couple of days.

You can send mail to me at:

jpcummins@att.net

ad4s@arrl.org

Thanks

Pickett, AD4S

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Date: Thu, 6 Dec 2001 17:44:13 -0600  
From: "Rob Matherly" <kc0bom@arrl.net>  
To: <flesnick@tbaytel.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114085] Re: Not QRP: Help with TS 820 Display  
Message-ID: <00f001c17eaf\$ecfa7ca0\$be11a541@intern01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Here's another post on the 820 from Amateur-Repairs:

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Fred: Looks like you have already done what everyone has recommended! Check the high voltage inverter circuit, and make sure you have high voltage to drive the floro display tube. I've seen open transformers, and bad inverter switching transistors. Make sure your VFO freq injection voltages are at a high enough level to properly drive the counter! If that's not the problem, ask again. 73 DENNIS, WA0WAB

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72/73/oo

Rob, kc0bom

FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp #19

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Visit my website! <http://www.qsl.net/kc0bom/hamradio>

----- Original Message -----

From: Fred Lesnick <flesnick@tbbaytel.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Wednesday, December 05, 2001 5:55 PM  
Subject: Not QRP: Help with TS 820 Display

Gang:

Sorry to take up some band width.  
But a friend of mine gave me his Kenwood TS 820 to do some work on it  
for him (have had it apart before to do some cleaning ).  
The problem is that his digital display quit on him.  
I have checked the wires, cleaned all connections, and even went as far  
as changing the voltage regulator for the display, but NO JOY.  
The manual that I have has no trouble shooting for the display, and a  
shop manual as well does not tell me much.  
Wonder if anyone else has seen this problem, or would have any ideas.  
I just hope the display has not just burnt itself out, if so, how does  
one check that ?  
Thanks  
Fred  
VE3FAL

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Date: Thu, 06 Dec 2001 18:51:54 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: leesgoofy@usa.net  
Cc: qrp-1@lehigh.edu  
Subject: [114086] Re: power supply  
Message-ID: <3.0.6.32.20011206185154.00798be0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>looking for a schematic diagram for a 12v power supply  
>for use with qrp rigs.  
>

Look in your ARRL Handbook, all the info you need to design and build power  
supplies is in there! What, no Handbook? Shame on you <g> If there is one  
book every Ham should have, (and read once in a while), it's the Handbook!  
It's the first place I look if I need to refresh on some topic..

I'm sure there must be some simple 12V supply schematics someplace on the  
web, but I don't know where to point you. There certainly has been about a  
zillion power supply projects published over the years, so it shouldn't be

to hard to turn one up.

Power supplies are easy enough to build, the parts common enough, and make a nice project - I have at least half a dozen myself, more if you count the ones built into something - but if you don't happen to have most or all the parts kicking around and have to go out and buy them, it is cheaper just to buy a ready made supply and be done with it!

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountians of New Hampshire  
<http://www.qsl.net/kd1jv/>

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End of QRP-L Digest 2396

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